

S/M No : ACP0208EF0

Service Manual

Car Audio

MODEL : ACP-0208/0218 Series

■ 0206Series

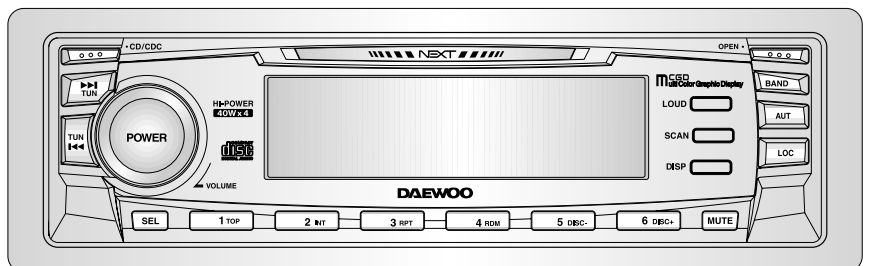
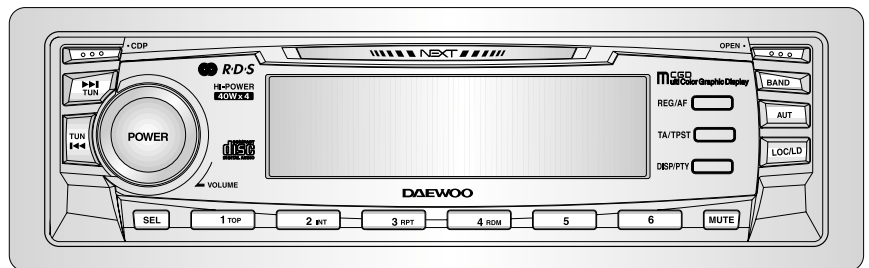
- ACP-0206A

■ 5020Series

- CDP-0206R
- ACP-5020RDS
- ACP-5020RC
- ACP-5020C
- ACP-5020

■ 5025Series

- CDP-0205A
- ACP-5025RDS
- ACP-5025RC
- ACP-5025C
- ACP-5025



- 4-Channel high Power (40W x 4Ch)
- Electronic Tuning
- Electronic Volume/Bass/Treble/Balance/Fader Control
- 42 Memory Capability (18FM+12MW+12LW)
- Local/DX Switch
- Loudness & Mute Control
- Compact Disc Player
- Flip-Down Detachable Face for Anti-Theft
- 10 CD-changer control(Optional)
- Telephone Mute Control

DAEWOO ELECTRONICS CO., LTD

<http://svc.dwe.co.kr>

Mar. 2001

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1. PRODUCT SPECIFICATIONS

AUDIO SECTION

Maximum output power	: 40watts per channel into 4 ohms.
Load impedance	: 4 ohms or 8 ohms
Total harmonic distortion	: Less than 10% at 12 watts
Frequency response	: 100Hz(± 3 dB), 10kHz(-5 ± 3 dB)
Control Bass/Treble	: 10 ± 3 dB at 100Hz/10kHz

CD PLAYER SECTION

System	: 2-track / 2-channel system
Total harmonic distortion	: 0.35%max. (WRMS)
Signal to noise ratio(network)	: 63Hz ~ 10kHz (± 3 dB) normal (LH)tape
Wow and flutter	Below measurable limit
Laser Diode Properties	: Meterial Ga AIAS Wave length 760-800 mm Emission Duration Continuous Laser out-put Power Less than 44.6 μ W

TUNER SECTION

(FM) Tuning range	: 87.5 to 108MHz
Sensitivity	: 10dBuV
Stereo separation	: 30dB
Signal to noise ratio	: 55dB
Frequency range	: 87.5 ~ 108MH : 522 to 1620KHz at Europe
(MW) Tuning range	: 530 to 1710kHz at U.S.A
Sensitivity	: 28dBuV
Signal to noise ratio	: 50dB
Frequency range	: 522 ~ 1620KHz
Channel space	: 9KHz (or 10KHz at U.S.A)
(LW) Tuning range	: 144 to 288KHz
Usable Sensitivity	: 40dBuV

GENERAL

Power requirements	: DC 13.8V (10.8 ~15.6V allowable) Negative ground
Spdaker impedance	: 4 or 8 ohm
Output power	: Maximum 40Wx4Ch.
Current consumption	: 10A
Dimension (W x H x D)	: 178 x 50 x 156 mm
Chassis size	: 195 x 64 x 14.6 mm
Weight(Net)	: 1.4Kg

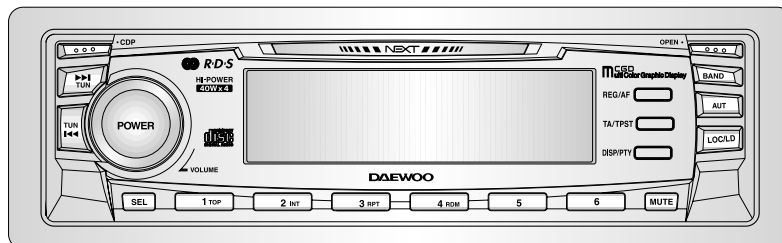
Design and specifications are subject to changes for improvements without notice.

2. LINE DRAWING

2-1. FRONT SIDE

■ ACP-0208/0218 RDS Series

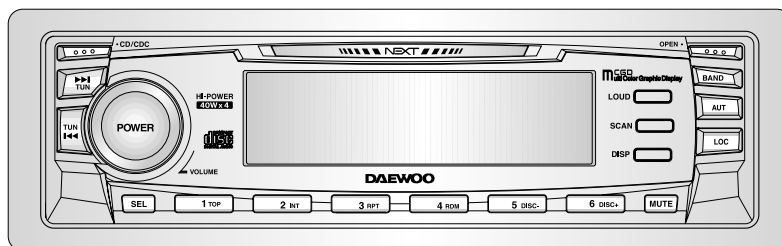
- RDS Function
- Compact Disc Player
- 4-Channel high Power (40W x 4Ch)
- Electronic Tuning
- Electronic Volume /Bass /Treble /Balance /Fader Control
- 42 Memory Capability (18FM+12MW+12LW)
- Local/DX Switch
- Loudness & Mute Control
- Logic cassette Player
- Flip-Down Detachable Face for Anti-Theft
- 10 CD-changer control
- Telephone Mute Control



- Multicolor Graphic Display : ACP-5020RDS, 5020RC
- Non MCGD : ACP-5025RDS, 5025RC

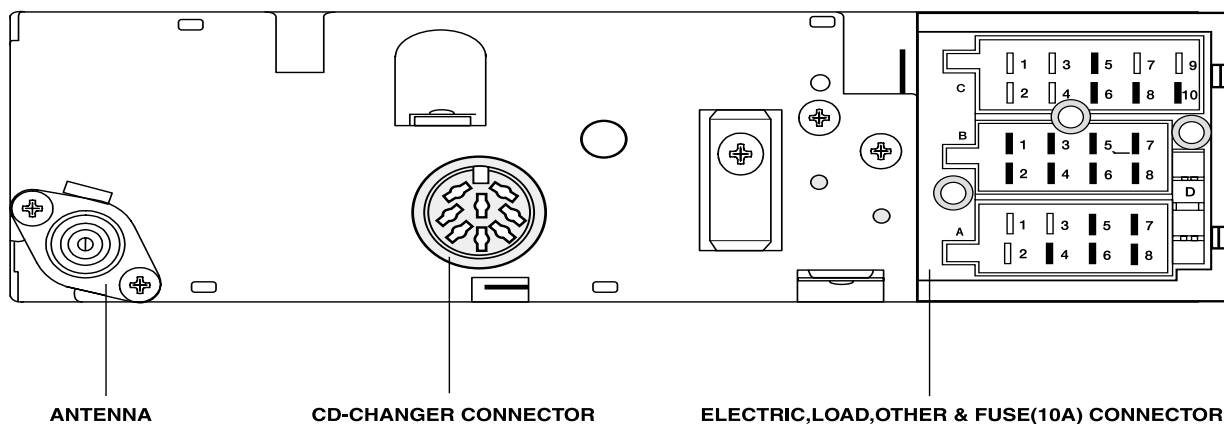
■ ACP-0208/0218 BASIC Series (Non RDS Function)

- Basic Function
- Compact Disc Player
- 4-Channel high Power (40W x 4Ch)
- Electronic Tuning
- Electronic Volume /Bass /Treble /Balance /Fader Control
- 42 Memory Capability (18FM+12MW+12LW)
- Local/DX Switch
- Loudness & Mute Control
- Logic cassette Player
- Flip-Down Detachable Face for Anti-Theft
- 10 CD-changer control
- Telephone Mute Control



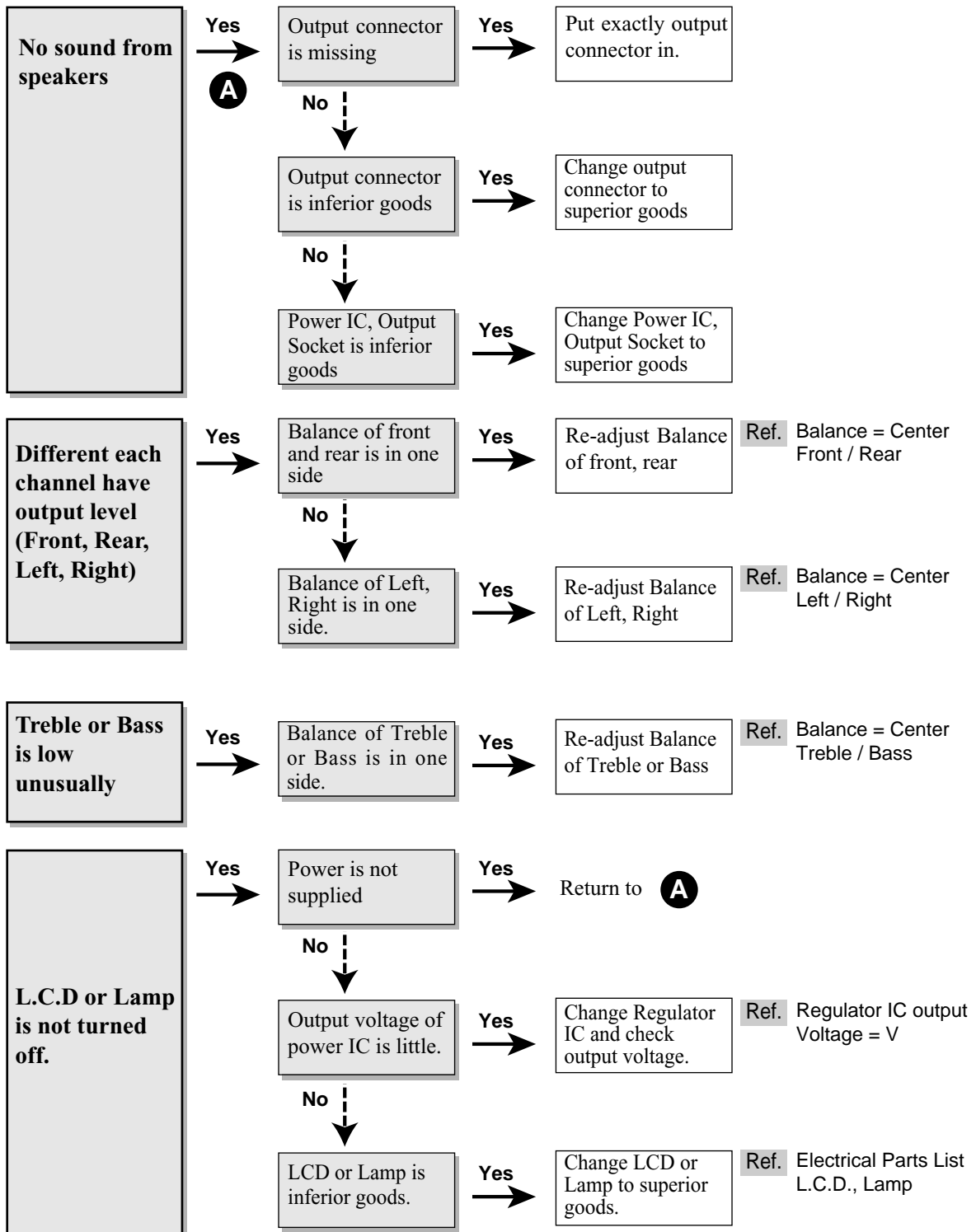
- Multicolor Graphic Display : ACP-5020C, 5020 * CDP-0206R * ACP-0206A
- Non MCGD : ACP-5025C, 5025 * CDP-0205A

2-2. REAR SIDE

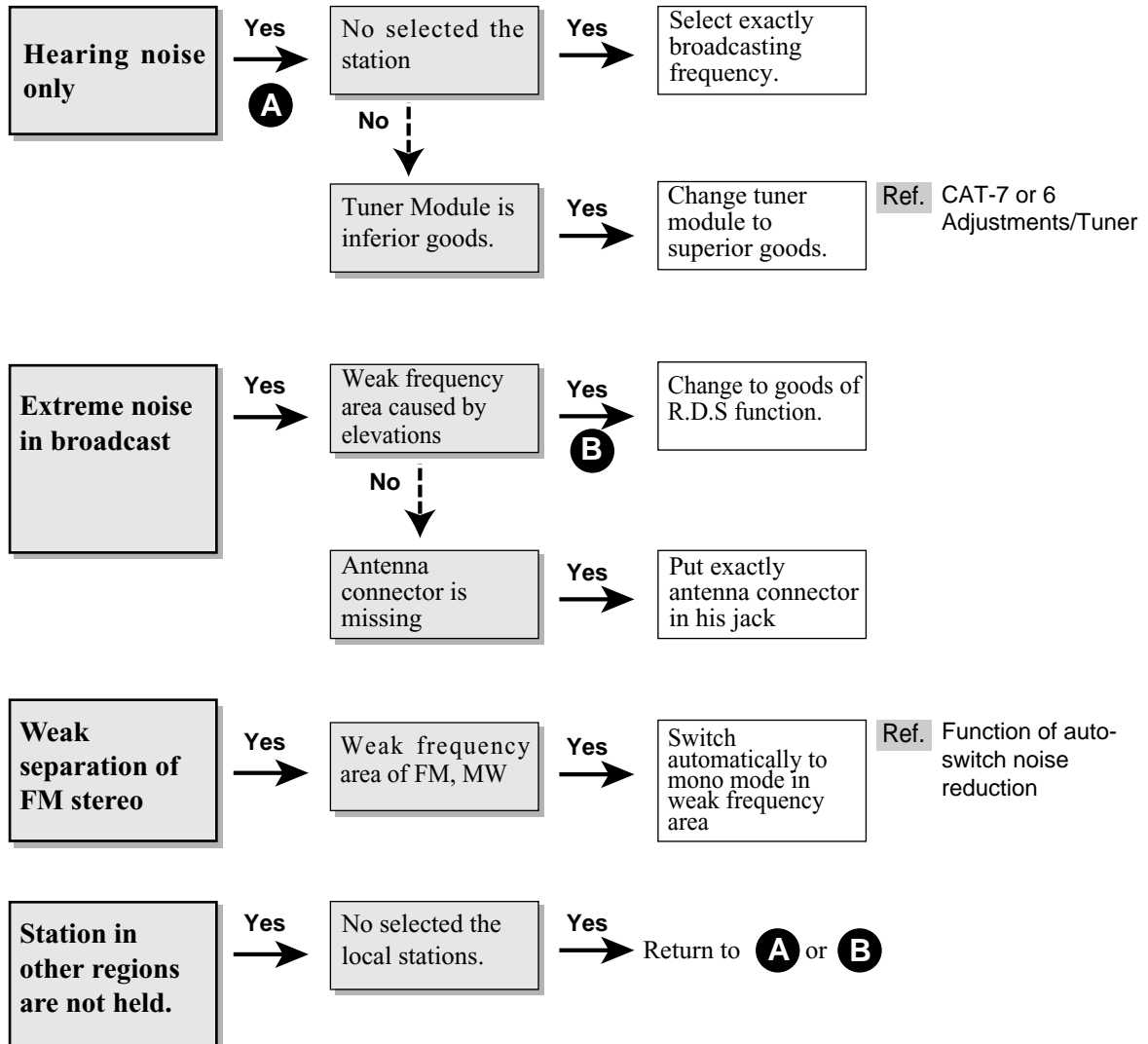


3. EMERGENCY TROUBLE SHOOT

3-1. General Function



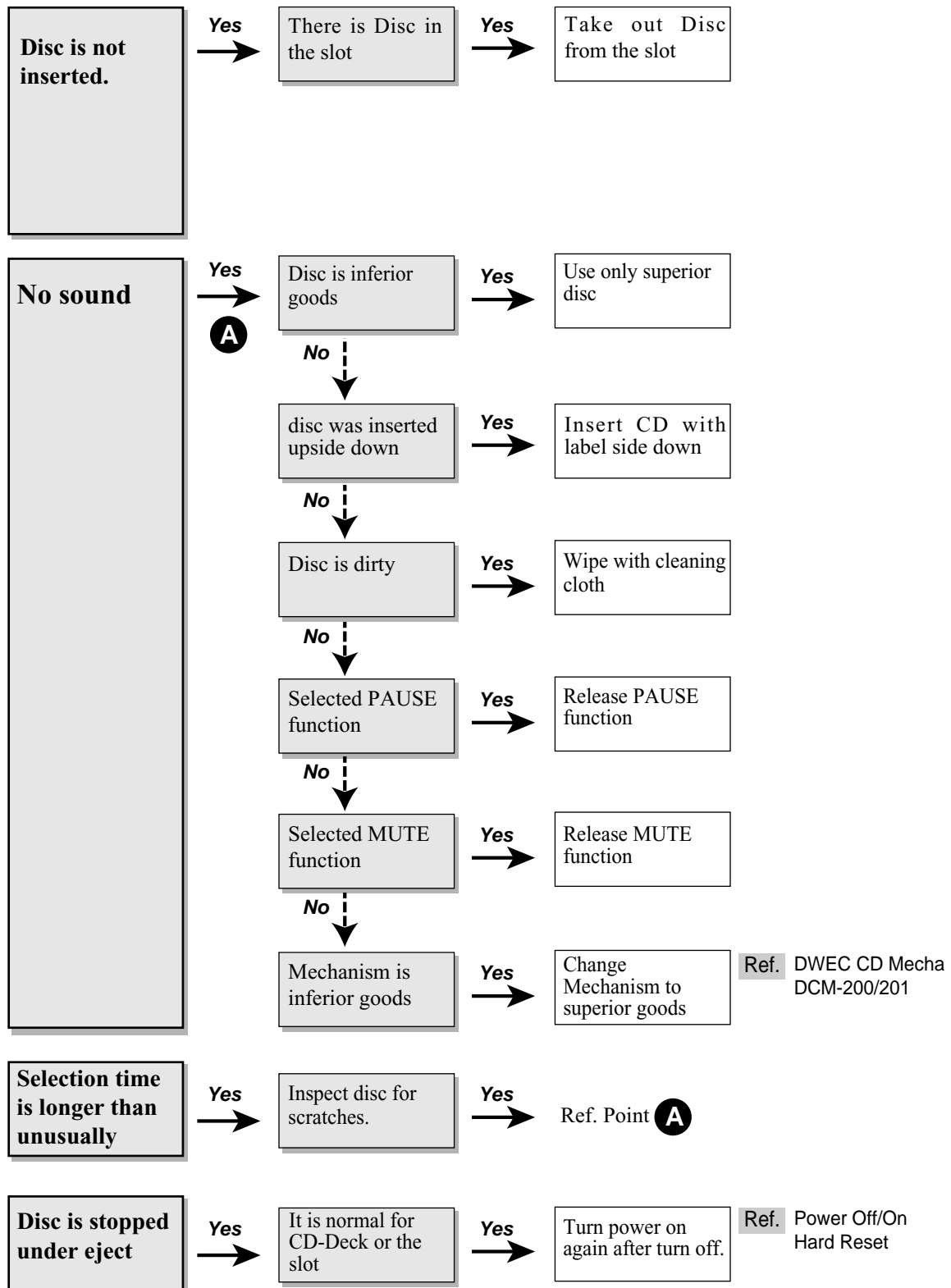
3-2. Tuner Function



R1 In case of located Glass Antenna, check if heat wire is cut or not in rear window.

R2 Check Antenna connector part.

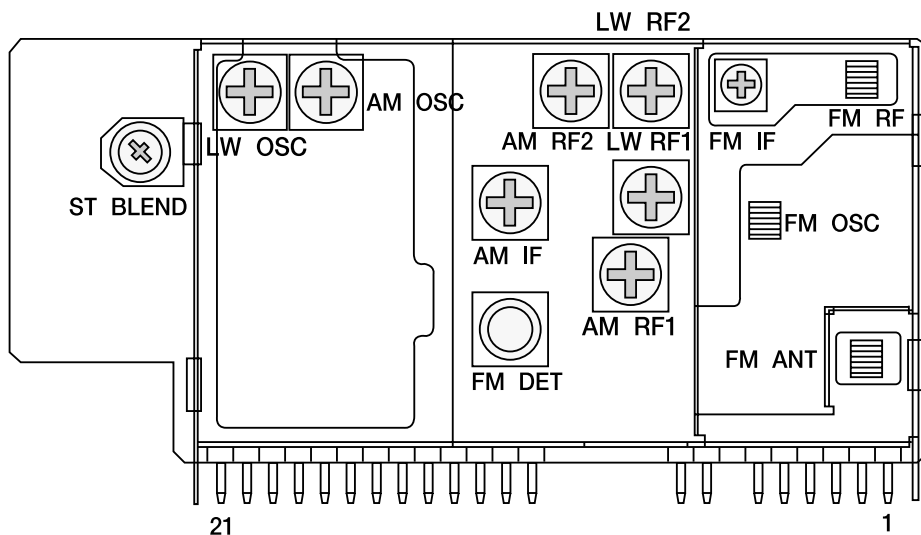
3-3. CD Function



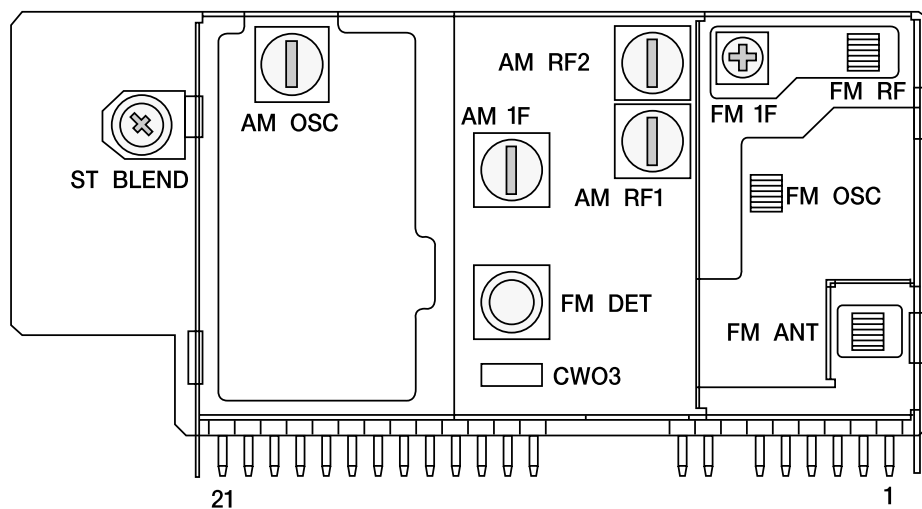
4. ADJUSTMENTS

4-1. TUNER MODULE ADJUSTMENT LOCATIONS

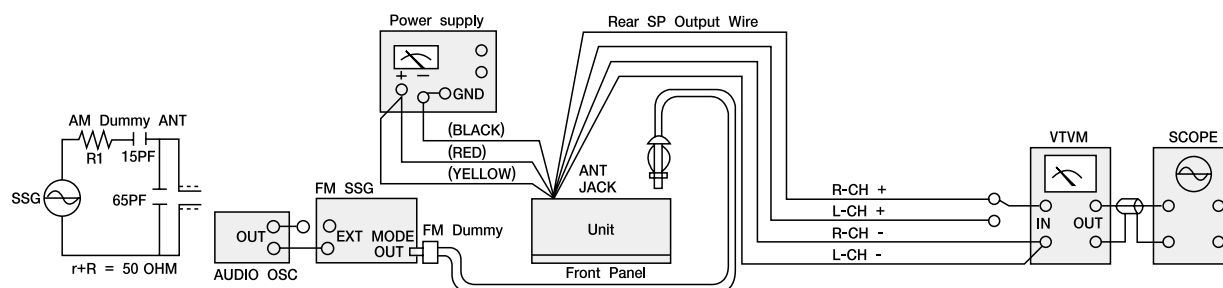
▪ CAT-7 (3 Band)



▪ CAT-6 (2 Band)

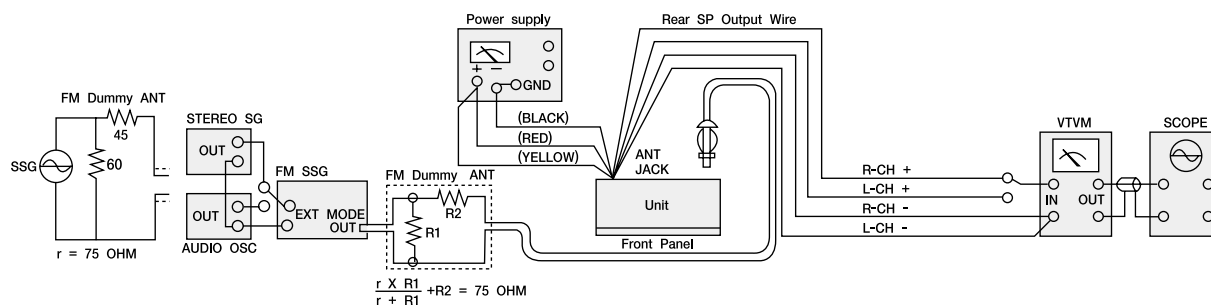


4-2. MW / LW ADJUSTMENT METHOD



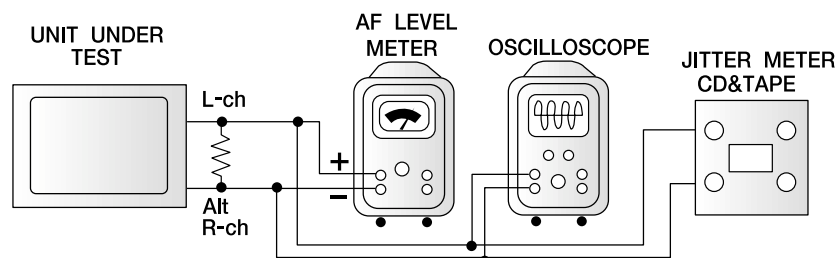
STEP	ALIGNMENT	TUNING	TEST POSITION	SSG FREQUENCY	ALIGNMENT	INDICATOR
MW	Band Covering Range	522 KHz	V.T point of AM Board	522 KHz	AMOSC	MAXIMUM
		1620 KHz		1620 KHz	-	7.6V
	IF	522 KHz	Output	450 KHz	AMIF	MAXIMUM
	TRACKING	603 KHz	Output	603 KHz	AMRF1 AMRF2	MAXIMUM
		1404 KHz	Output	1404 KHz	AMRF1 AMRF2	MAXIMUM
LW	Band Covering Range	144 KHz	-	144 KHz	LWOSC	MAXIMUM
	TRACKING	220 KHz	Output	220 KHz	LMRF1 LMRF2	MAXIMUM

4-3. FM ADJUSTMENT METHOD



STEP	SUBJECT	FEED SIGNAL		MEASURE OUTPUT	ADJUST POINT	ADJUSTMENT
		FROM	TO			
1	IF adjust	98.1 MHz, ANT input 60dBu, 1kHz (30% MOD) FM SSG	ANT jack and GND	The voltage between CW03	FM DET	Adjust for 0V 0.05V
2	MPX IC Separation Control	98.1 MHz, ANT input 40dBu, 1kHz (L+R=45% L-R=45% PILOT=10% MOD)	ANT jack and GND	L or R CH SP. output wire VTVM and Scope	ST BLEND	L, R separation 8dB

4-4. CDP MODE TEST & ADJUSTMENT METHOD



• Definition of Mechanical Mode

No	MODE	DEFINITION & STATUS
1	STOP MODE	<ul style="list-style-type: none"> - Disc haven't been inserted or disc have been ejected. When disc shall be transported into the unit Mechanism shall be fixed at this mode. - Loading device can insert disc thru the slot. - Floating device being locked.
2	LOADING MODE	<ul style="list-style-type: none"> - Disc have been inserted thru the slot in front of unit. It is transient state between STOP mode and PLAY mode. - If disc should be inserted at the state of POWER ON, disc shall be loaded by a series of operation of specified device.
3	PLAY MODE	<ul style="list-style-type: none"> - After disc have being clamped on the turn-table, disc shall be rotated. - Disc shall be played. - Floating device being unlocked.
4	EJECT MODE	<ul style="list-style-type: none"> - Disc is to be ejected at this mode. It is transient state between PLAY mode and STOP mode. - If disc should be mounted at the state of POWER ON and commanded by EJECT key, disc shall be ejected thru the slot by a series of operation of specified device.

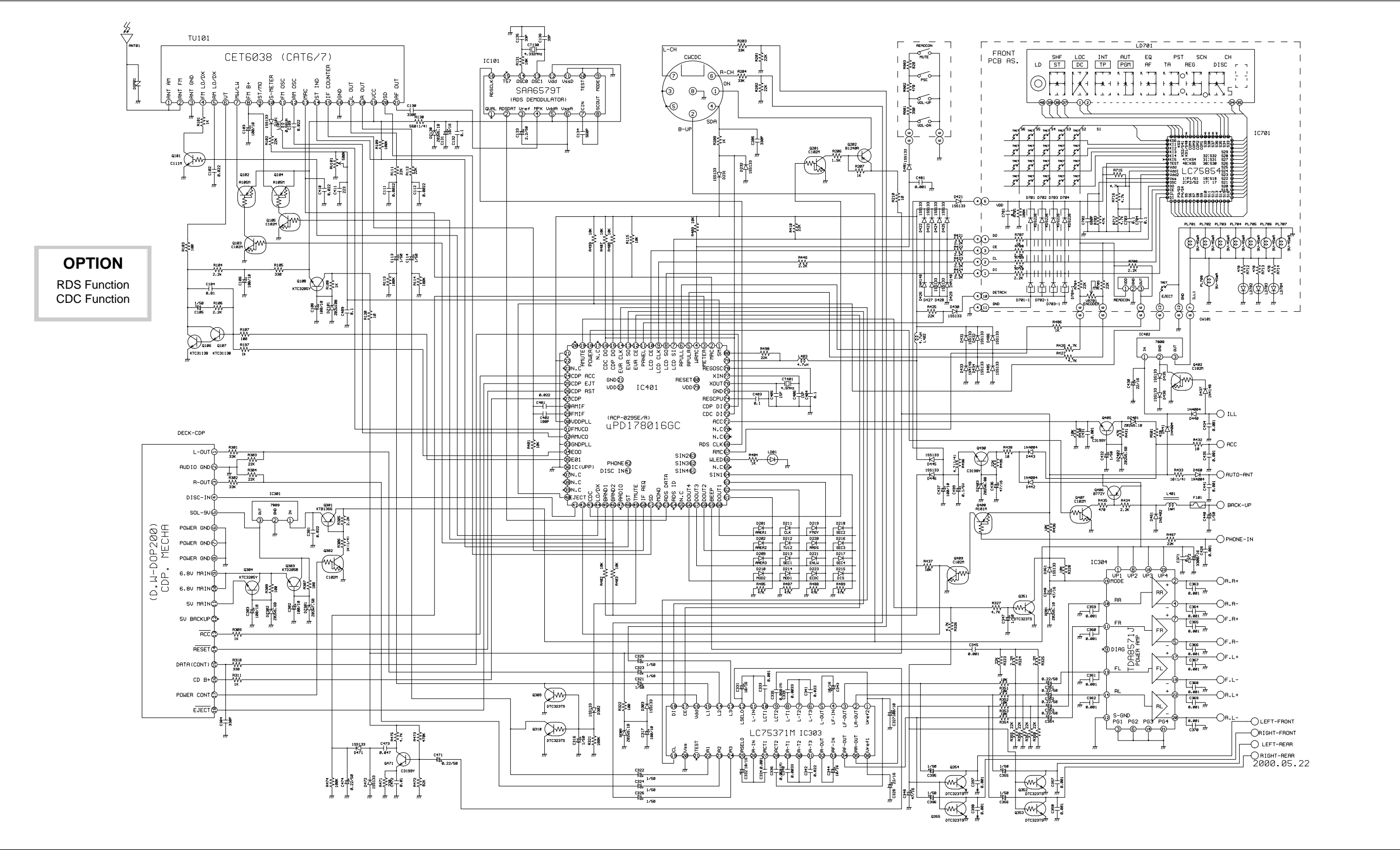
• Standard values / Play-ability test

No	ITEMS	SPECIFIED VALUES, CONDITIONS		TEST CONDITIONS, REFERENCES	CONNECTION
		STANDARD VALUES	RELIABILITY LIMITS		
1	Loading Time	7sec \pm 3sec	< 17 sec	From insertion up to make sound. (TCD-784)	
2	Ejecting Time	< 5 sec	< 15 sec	From track No.1 Between the EJECT command and the disc eject completion. (TCD-784)	
3	Access Time	6sec \pm 3sec	< 15 sec	From out-most Track, Between the PLAY command of in-most Track and marking sound.	
4	Disc Take-up Force	> 120g > 120g	> 90g During play in low temp.	Shall be measure when the center of Disc is correspond with the center of Roller.	
5	Disc	> 80g	> 70g During play in low temp.	Shall be measure when the center of Disc is correspond with the center of Roller.	

No	ITEMS	SPECIFIED VALUES, CONDITIONS		TEST CONDITIONS, REFERENCES	CONNECTION
		STANDARD VALUES	RELIABILITY LIMITS		
6	Clamping Force	> 130g	> 130g		
7	Mechanical Noise	Loading → Eject < 75dB(A) Play < 40dB(A) Access < 70dB(A)	If anything is not error, shall not defined.	-Test should be performed in no reverberation room at the noise level of less than 20dB(A). -Test should be performed at the 50cm in front of the unit. -IHF-A MODE (RMS-FAST)(TCD-792D)	
8	Anti-Vibrational Performance	>1.0g/10Hz-20Hz, Z way >2.0g/30Hz-200Hz, Z way >0.6g/10Hz-20Hz, X&Yway >1.2g/30Hz-200Hz, X&Yway X=side to side Y=front to back Z=up to down	Z way only 10Hz-20Hz:0.7g 30Hz-200Hz:1.2g	-The G level should be upped to the sound skip level from the less level slowly at the frequency. -Ignore the sound skip at the near of resonance frequency(about 100Hz). -In playing YEDS-10 Tr #5, shall perform with vibration -No sound skipping.	
9	Playability	-Interruption:0.7mm -Block Dot Disc:0.8mm -Scratch Disc:1mm -Finger Print Disc:65um	equal with standard values	-No sound skipping in the specified range. -The sound skipping does not include any interpolating noise.	
10	Disc Deflection	+ 0.4mm	+ 0.4mm	-No sound skipping at the ABEX 731RA Tr No8 -The sound skipping does not include any interpolating noise. -Except from specified item due to the reliability limits of TEST DISC in the HTO TEST.	
11	Disc Eccentricity	+ 0.21mm	+ 0.21mm	-No sound skipping at the ABEX 713 Tr No8 -The sound skipping does not include any interpolating noise. -Except from specified item due to the reliability limits of TEST DISC in the HTO TEST.	
12	Jitter	< 28 nsec	< 33 nsec		
13	Frequency Response	20-20kHz + 2dB	20-20kHz + 3dB	This measurement may be done at 20Hz, 20kHz, (1kHz=0dB)	
14	Harmonic Distortion	< 0.03% at 1kHz	< 0.05% at 1kHz	400Hz HIGHPASS FILTER 20kHz(-60dB 24kHz) LOWPASS FILTER	
15	Dynamic Range	> 80dB at 1kHz	> 75dB at 1kHz	20kHz(-60dB 24kHz) LOWPASS FILTER, 60dB AMP IHF-A WEIGHTING FILTER	
16	S/N Ratio	> 85dB at 1kHz	> 85dB at 1kHz		
17	Channel	> 70dB at 1kHz	> 65dB at 1kHz	400Hz HIGHPASS FILTER 20kHz (-60dB 24kHz)LOWPASS FILTER	

5. SCHEMATIC DIAGRAMS

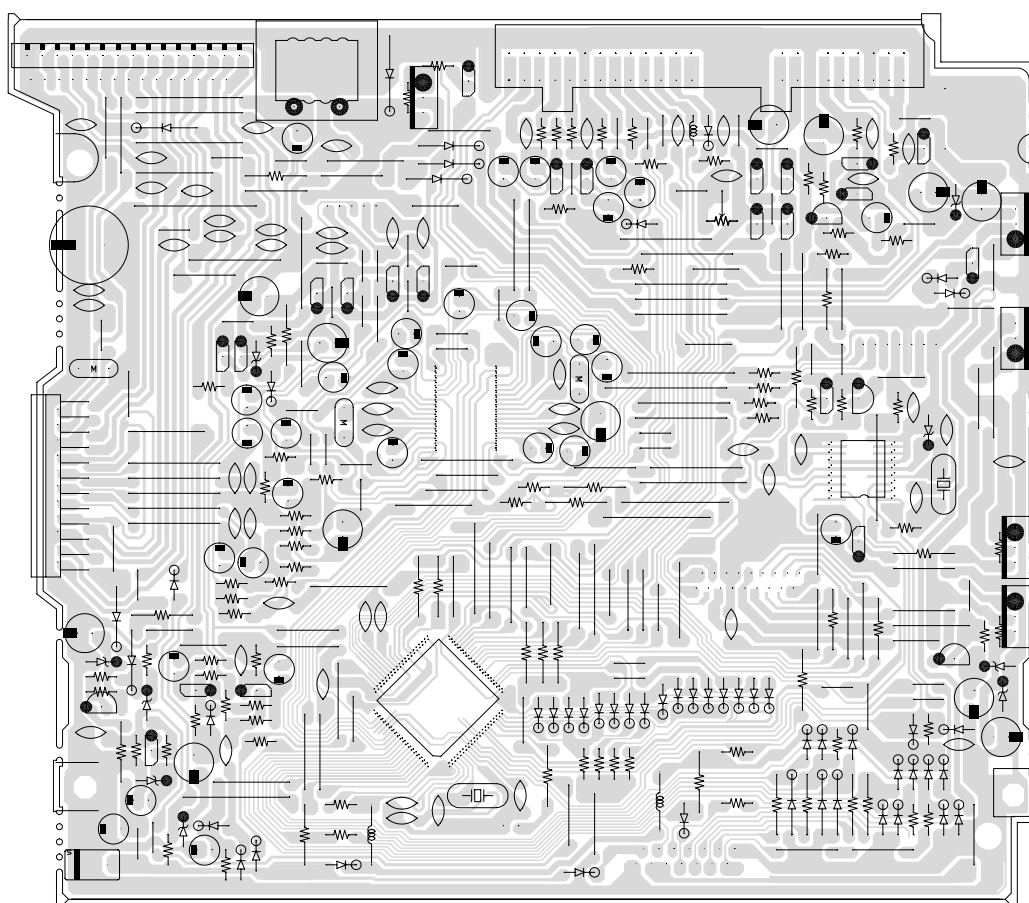
for ACP-0208Seires,ACP-0218 Series



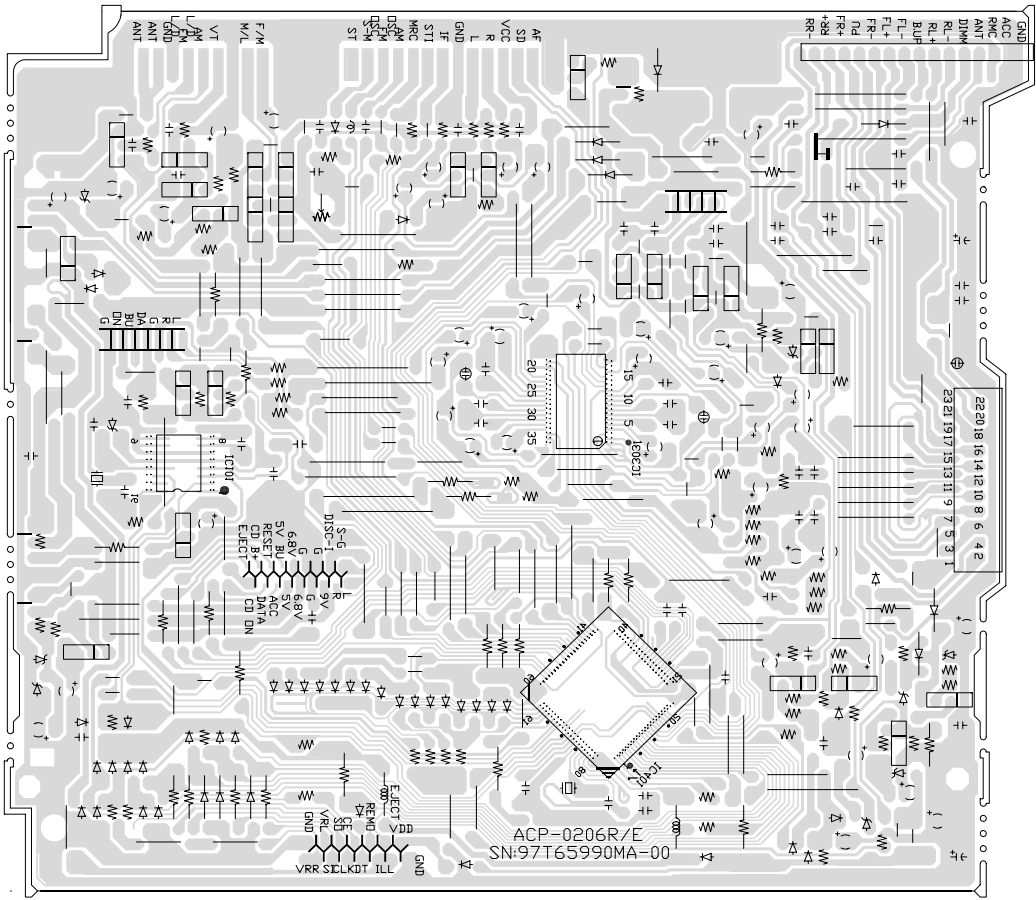
6. PARTS LOCATION ON P.C. BOARD

6-1. PCB MAIN

PART SIDE

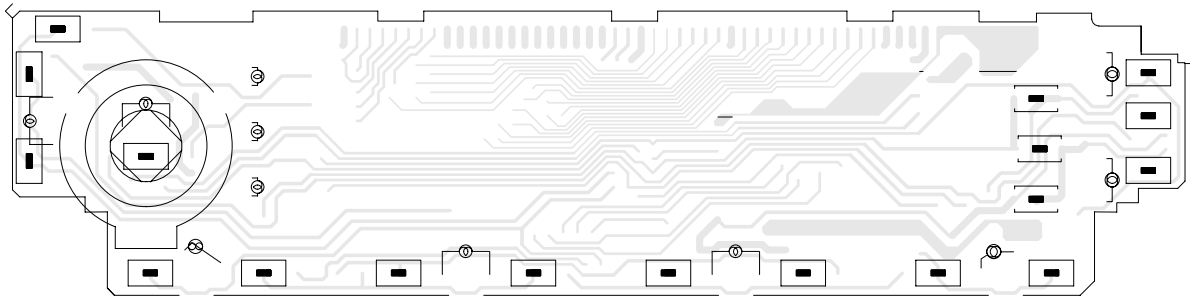


BOTTOM SIDE

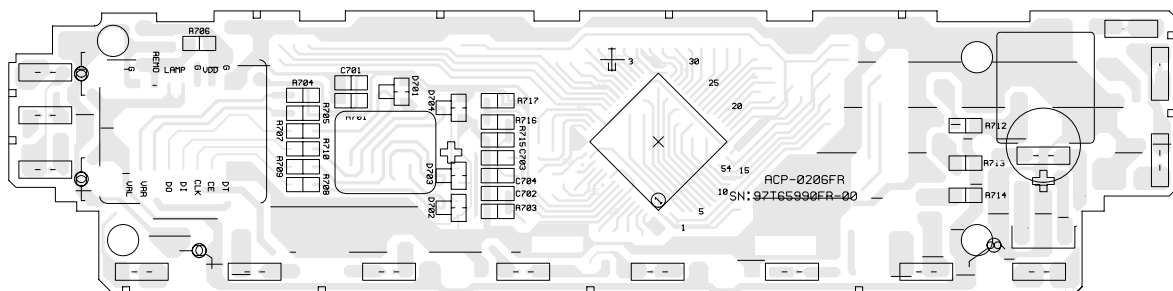


6-2. PCB ESC

PART SIDE

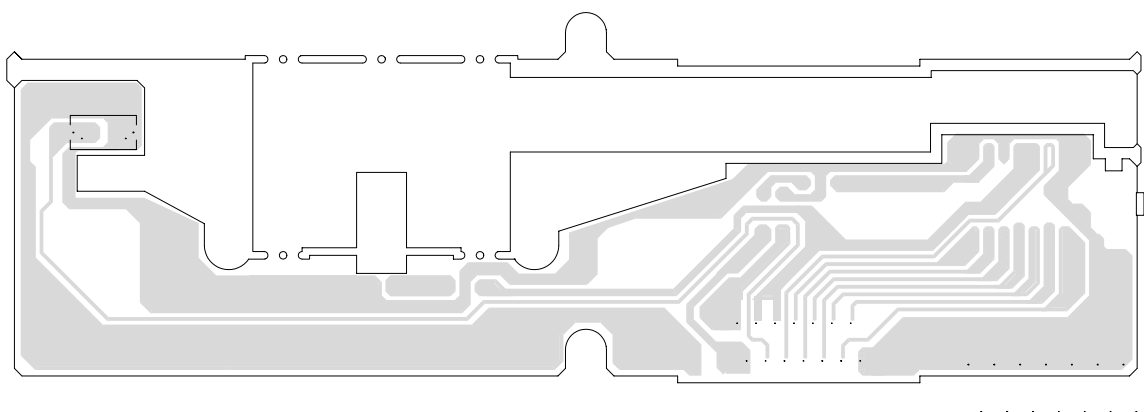


BOTTOM SIDE

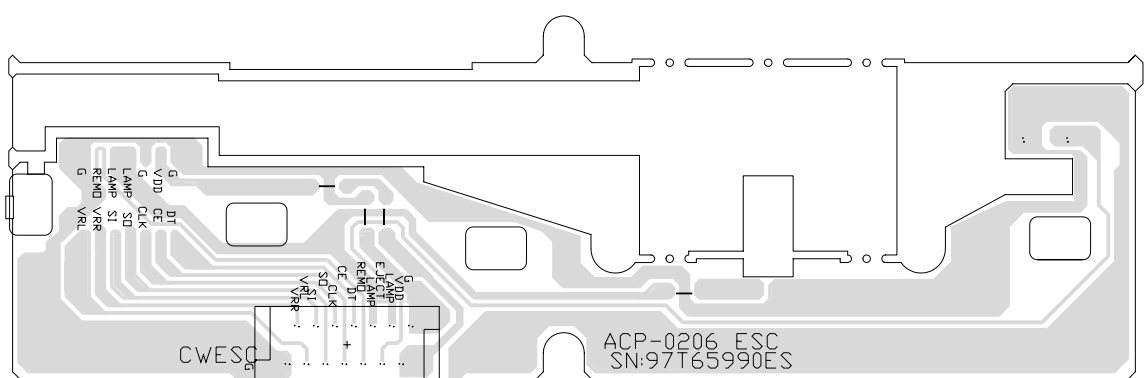


6-3. PCB ESC

PART SIDE

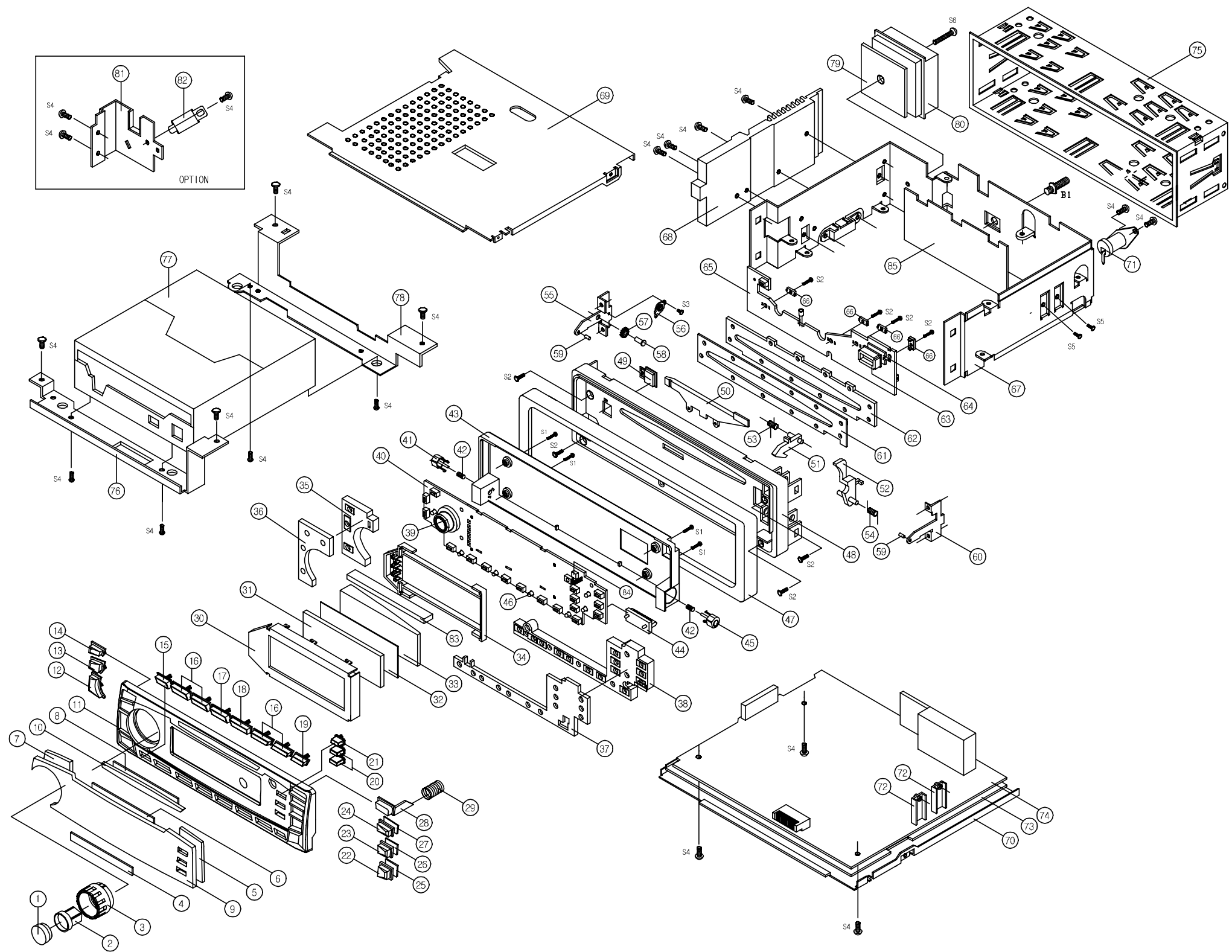


BOTTOM SIDE



7. OVERALL EXPLODED VIEW & PARTS LIST

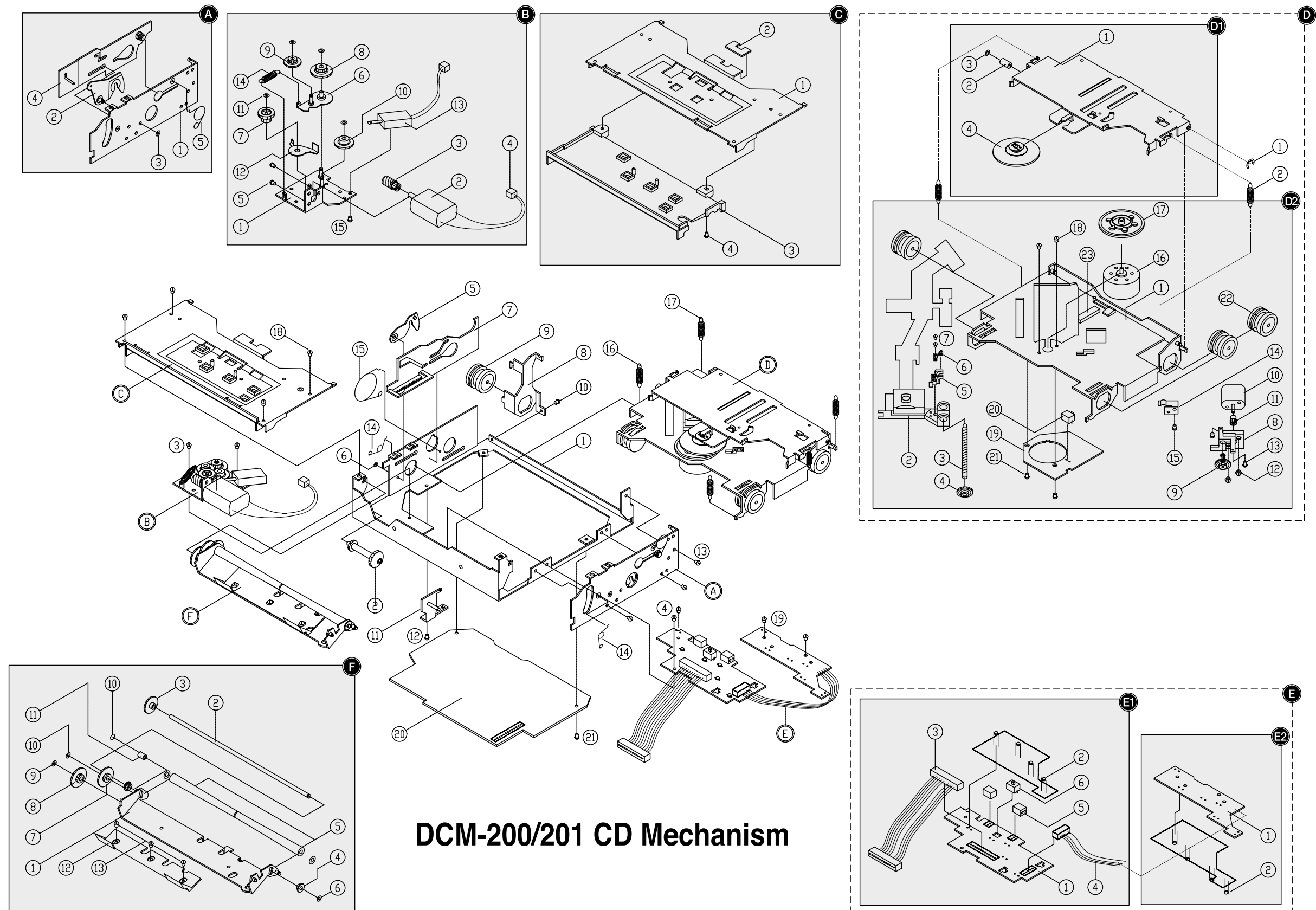
for ACP-0208Seires,ACP-0218 Series



81	9/13104900	BOLT HEX	1	SMGC MX(3/2*10)	
82	7/173301211	SCREW TAPITITE	1	T12 B1N 3X12 MFZN	
83	7/173301011	SCREW TAPITITE	2	T12 B1N 3X10 MFZN	
84	7/173300911	SCREW TAPITITE	20	T12 B1N 3X8 MFZN	
83	7/173203512	SCREW TAPITITE	1	T12 B1N 2X3.5 MFZN B.K	
82	7/173200612	SCREW TAPITITE	8	T12 B1N 2X6 MFZN BK	
81	7/173200612	SCREW TAPITITE	4	T12 B1N 2X8 MFZN B.N	
85	9/1715603000	INSULATION TUNER	1	PL 1-0.25	
84	9/125040200	SUPPORTER SPACE	1	NEOPRENE	OPTION
83	-	CONN ZEBRA	1	-	
82	9/12409930	BUILT CONN	1	SECC	
81	9/12451100	BRACKET CONN	1	SECC T1.0	OPTION
80	-	CONN ISO	1	-	
79	-	PCB ISO	1	-	
78	9/12449400	BRACKET DECK B	1	SECC T1.0	
77	-	DECK MECHANISM	1	-	
76	9/12449300	BRACKET DECK A	1	SECC T1.0	
75	9/10026200	FRAME MOUNTING	1	SECC TD.6	
74	9/1058300A	PCB MAIN	1	KPC	
73	9/10583000	CHASSIS MAIN	1	PC 10.25	
72	9/12307000	HOLDER RES	2	PC LEXAN 121 B.K	
71	-	ANT	1	-	
70	9/10440300	COVER BOTTOM	1	SECC TD.6	
69	9/10440400	COVER TOP	1	SECC TD.6	
68	9/14409000	HEAT SINK	1	AL 6063-T5	
67	9/10633100	CHASSIS MAIN	1	SECC T1.0	
66	9/12449900	BRACKET PCB	4	ABS XR-404	
65	9/165900ES	PCB ESC	1	FR-1	
64	9/10929500	PLATE PCB	1	PC	
63	-	CONNECT	1	-	
62	9/12445700	BRKT DOOR	1	SECC T=0.6	
61	9/14104700	NET DOOR	1	KTM ON	
60	9/12449000	BRACKET PANEL R	1	SECC T1.0	
59	9/12100100	HINGE BRKT PANEL	2	C3804	
58	9/13603700	SHAFT BRKT PANEL	1	B38M	
57	9/12200400	GEAR WIDOLE	1	P.O.M	
56	9/12610600	DAMPER GEAR	1	P.O.M	
55	9/12446500	BRACKET PANEL L	1	SECC T1.0	
54	9/13035100	SPRING PUSH	1	SUS-304	
53	9/13015600	SPRING LOCK	1	SUS-304	
52	9/12610400	LEVER PUSH	1	ABS XR-404	
51	9/12610500	LEVER HOOK	1	ABS XR-404	
50	9/12226900	REFLECTION DOOR	1	PC LEXAN 121 CLEAR	
49	9/113E2000	KNOB EJECT	1	PC LEXAN 121 MILKY	
48	9/11416100	ESCUTIONEN	1	ABS XR-404	
47	9/10593000	PLATE TRIV	1	ABS XR-404	
46	-	CAP LAMP	8	SILICON RUBBER	OPTION
45	9/12503900	SUPPORTER BODY R	1	ABS XR-404	
44	-	CONNECTOR	1	-	
43	9/10111700	CABINET BACK	1	PC LEXAN 121	
42	9/13015100	SPRING BRCK	2	SUS-304	
41	9/12403600	SUPPORTER BACK L	1	ABS XR-404 BLACK	
40	9/165900ER	PCB FRONT	1	FR-4	
39	-	VOLUME	1	-	
38	9/12226900	REFLECTION SW R	1	PC LEXAN 121 CLEAR	
37	9/14226100	CUSHION KNOB R	1	SPONGE T=3.0	
36	9/14226000	CUSHION KNOB L	1	SPONGE T=5.0	
35	9/12226700	REFLECTION SW L	1	PC LEXAN 121 CLEAR	
34	9/12269500	HOLDER LCD	1	PC LEXAN 121 WHITE	
33	9/12227000	REFLECTION LCD	1	PC LEXAN121 CLEAR	
32	9/19609200	SHEET LCD	1	PC D114	
31	-	LCD	1	-	
30	9/12449100	BRACKET LCD	1	SECC T=1.0	
29	9/13015000	SPRING OPEN	1	SUS304	
28	9/113E5400	KNOB OPEN	1	ABS XR-404 B.K	
27	9/10440600	CAP KNOB BAND	1	PC LEXAN 121 MILKY	
26	9/10440700	CAP KNOB AUT	1	PC LEXAN 121 MILKY	
25	9/10440600	CAP KNOB LOUD	1	PC LEXAN 121 MILKY	
24	9/113E5300	KNOB BAND	1	ACRYL IH-830H	
23	9/113E5200	KNOB AUT	1	ACRYL IH-830H	
22	9/113E5100	KNOB LOUD	1	ACRYL IH-830H	
21	9/113E4700	KNOB AF FREQ	1	ABS XR-404 BLACK	
20	9/113E4800	KNOB IF/PSI	2	ABS XR-404 BLACK	
19	9/113E4500	KNOB MUTE	1	PC LEXAN121 MILKY	
18	9/113E4300	KNOB PRESET 4	1	PC LEXAN121 MILKY	
17	9/113E4200	KNOB PRESET 3	1	PC LEXAN121 MILKY	
16	9/113E4100	KNOB PRESET 1	4	PC LEXAN121 MILKY	
15	9/113E4400	KNOB SEL	1	PC LEXAN121 MILKY	
14	9/113E5000	KNOB CD/CDC	1	ABS XR-404	
13	9/113E4600	KNOB TUNING UP	1	PC LEXAN121 MILKY	
12	9/113E4800	KNOB TUNING DOWN	1	PC LEXAN121 MILKY	
11	9/10111800	CABINET FRONT	1	ABS XR-404	
10	9/11001700	DECORATION	1	ACRYL	
9	9/11609000	WINDOW LCD	1	ACRYL IH-830H	
8	9/19611100	SHEET DECORATION	1	DOUBLE TAPE	
7	9/19610700	SHEET WINDOW L	1	DOUBLE TAPE	
6	9/19611000	SHEET WINDOW UP	1	DOUBLE TAPE	
5	9/19610800	SHEET WINDOW R	1	DOUBLE TAPE	
4	9/19610300	SHEET WINDOW DOWN	1	DOUBLE TAPE	
3	9/11303400	KNOB VOL	1	ABS XR-404 BLACK	
2	9/10439500	CAP KNOB SEL	1	PC LEXAN121 MILKY	
1	9/11304000	KNOB SEL	1	ACRYL IH-830 CLEAR	
NO	PART CODE	PART NAME	Q'TY	DESCRIPTION	REMARK

8. DECK MECHANISM EXPLODED VIEW&PARTS LIST

for ACP-0208Series,ACP-0218 Series



DCM-200/201 CD Mechanism

DECK MECHANISM EXPLODED VIEW & PARTS LIST
for ACPL-0208Series, ACP-0218Series

8-1. PARTS LIST for DCM-200/201

No	PART NAME	PART NO.	Q'TY	MARK
Ⓐ	CHASSIS SIDE TOTAL ASSY		1	A
1	CHASSIS SIDE ASSY	97LA202300	1	A
2	LOCK PLATE R ASSY	97LA202400	1	A
3	WASHER CUT D4xD2xT0.25	97L3101500	1	B
4	MOVING PLATE R ASSY	97LA202500	1	A
5	SPG MOVING PLATE	97L3003900	1	S
Ⓑ	CHASSIS GEAR TOTAL ASSY	97LA202600	1	A
1	CHASSIS GEAR ASSY	97LA302500	1	A
2	MOTOR LOADING	97L8100500	1	E
3	GEAR LOAD MOTOR	97L2702600	1	M
4	CONNECTOR ASSY 2P	97L8800202	1	E
5	SCREW MACHINE PAN M2x2.5	97L3101700	2	B
6	IDLER PLATE ASSY	97LA302700	1	A
7	GEAR 1	97L2702100	1	M
8	GEAR 2	97L2702200	1	M
9	GEAR 3	97L2702500	1	D
10	GEAR 4	97L2703400	1	M
11	WASHER CUT D5xD1.6xT0.25	97L3101400	4	B
12	LEVER SOLENOID	97L2601500	1	P
13	SOLENOID	97L7102100	1	E
14	SPRING IDLER	97L3003500	1	S
15	SCREW MACHINE PAN M2x2.5	97L3101700	1	B
Ⓒ	CHASSIS TOP TOTAL ASSY	97LA202900	1	A
1	CHASSIS TOP	97L0602400	1	P
2	CUSHION PLATE CLAMP	97L4201100	1	B
3	BRACKET CD GUIDE	97L2400900	1	M
4	SCREW TAPTITE SPL M2x3.5	97L3101300	2	B
Ⓓ	CHASSIS FLOATING ASSY	97LA202700	1	A
D1	CHASSIS CLAMP TOTAL ASSY	97LA303300	1	A
1	CHASSIS CLAMP ASSY	97LA402000	1	A
2	ROLLER CLAMP	97L3700900	1	C
3	WASHER CUT D4xD1.6xT0.25	97L3101400	1	C
4	PLATE CLAMP	97L0901500	1	M
D2	DRIVE UNIT TOTAL ASSY	97LA303200	1	A
1	DRIVE UNIT ASSY	97LA401700	1	A
2	PICK-UP ASSY(DOP-200)	97LA101700	1	A
3	GUIDE SLED SCREW	97L2501400	1	C

DECK MECHANISM EXPLODED VIEW & PARTS LIST
for ACP-0208Series, ACP-0218Series

No	PART NAME	PART NO.	Q'TY	MARK
4	GEAR SLED SCREW	97L2702700	1	M
5	SLIDER RACK	97L5200300	1	M
6	SPG SLED INSERT	97L5200100	1	M
7	SCREW MACHINE PAN M1.7x3	97L3102100	2	B
8	HOLDER FEED MOTOR	97L2301100	1	M
9	GEAR CENTER	97L2702800	1	M
10	MOTOR FEED	97L8100600	1	E
11	GEAR FEED MOTOR	97L2703300	1	M
12	SCREW MACHINE PAN M2x5 SW	7051200511	2	B
13	SCREW MACHINE PAN M2x3	7001200311	2	B
14	PLATE SPG	97L0902200	1	P
15	SCREW TAPPING PAN T2S M2x4	7121200411	1	B
16	MOTOR SPINDLE	97L8100700	1	E
17	TURN TABLE	97L2501500	1	M
18	SCREW MACHINE PAN M1.7x2.5	97L3102200	2	B
19	PCB SP MOTOR	97L65015BA	1	E
20	SWITCH LIMIT	5S50101113	1	E
21	SCREW TAPPING PAN T2S M2x4	7121200411	2	B
22	DAMPER RUBBER	97L2600900	3	Ru
1	E-RING(ø 2)	7402002011	1	B
2	SPRING CLAMP	97L3004300	2	S
Ⓔ	SENSOR PCB ASSY	97LA203200	1	A
E1	LED PCB ASSY	97LA303100	1	A
1	PCB LED	97L65015DA	1	E
2	LED	DSI2321---	4	E
3	CONNECTOR ASSY 12P	97L8800201	1	E
4	CONNECTOR ASSY 5P	97L8800203	1	E
5	CONN WAFER(ANGLE) 2P	97P6271000	2	E
6	SWITCH DETECT	5S50101112	1	E
E2	PT PCB ASSY	97LA303400	1	A
1	PCB PT	97L65015LA	1	E
2	PHOTO TR	TST2321---	4	E
Ⓕ	HOLDER ROLLER TOTAL ASSY	97LA202800	1	A
1	HOLDER ROLLER ASSY	97LA302700	1	A
2	SHAFT ROLLER	97L3600800	1	C
3	GEAR ROLLER	97L2703100	1	M
4	BEARING ROLLER	97L5300100	2	M
5	ROLLER RUBBER	97L3700800	1	Ru
6	WASHER CUT D4xD2xT0.25	97L3101500	1	B

DECK MECHANISM EXPLODED VIEW & PARTS LIST
for ACP-0208Series, ACP-0218Series

No	PART NAME	PART NO.	Q'TY	MARK
7	GEAR RELAY 2	97L2703000	1	M
8	GEAR RELAY 1	97L2702900	1	M
9	WASHER CUT D6xD2.6xT0.25	97L3101600	1	B
10	WASHER CUT D4xD1.6xT0.25	97L3101400	1	B
11	ROLLER BUSH	97L3701100	1	C
12	BRACKET DOOR	97L2401400	1	M
13	SCREW TAPTITE SPL M2x3.5	97L3101300	2	B

8-2. DECK TOTAL ASSY PARTS LIST

No	PART NAME	PART NO.	Q'TY	MARK
1	CHASSIS MAIN	97L0601700	1	P
Ⓑ	CHASSIS GEAR TOTAL ASSY	97LA202600	1	A
2	GEAR DOUBLE	97L2702400	1	M
3	SCREW TAPTITE PAN M2x3.5	97L3101800	2	B
Ⓔ	SENSOR PCB ASSY	97LA203200	1	A
4	SCREW TAPTITE SPL M2x3.5	97L3101300	2	B
5	LOCK PLATE L ASSY	97LA202000	1	A
6	WASHER CUT D4xD2xT0.25	97L3101500	1	B
7	MOVING PLATE L ASSY	97LA202100	1	A
8	HOLDER DAMPER	97L2300900	1	P
9	DAMPER RUBBER	97L2600900	1	Ru
10	SCREW TAPTITE PAN M2x3.5	97L3101800	1	B
11	BRACKET DAMPER ASSY	97LA202200	1	A
12	SCREW TAPTITE PAN M2x3.5	97L3101800	1	B
Ⓓ	CHASSIS FLOATING ASSY	97LA202700	1	A
Ⓕ	HOLDER ROLLER TOTAL ASSY	97LA202800	1	A
Ⓐ	CHASSIS SIDE TOTAL ASSY		1	A
13	SCREW TAPTITE PAN M2x3.5	97L3101800	3	B
14	SPRING HOLDER ROLLER	97L3003800	2	S
15	SPRING MOVING PLATE	97L3003900	1	S
16	SPRING SUSPENSION F	97L3004000	2	S
17	SPRING SUSPENSION R	97L3004100	2	S
Ⓒ	CHASSIS TOP TOTAL ASSY	97LA202900	1	A
18	SCREW TAPTITE PAN M2x3.5	97L3101800	4	B
19	SCREW TAPTITE SPL M2x3.5	97L3101300	2	B
20	PCB TOTAL ASSY	97LA0003P-	1	A
21	SCREW TAPTITE SPL M2x3.5	97L3101300	3	B

9. ELECTRICAL PARTS LIST

E.PART LIST for ACP-0208Series
ACP-0218Series

CAUTION  is a recommendable part for essential stock.

9-1. MAIN SECTION

No	PART NAME	PART CODE	DESCRIPTION
ANT01	CONN AS	97T6802500	9.5 × 20 × 27.5
CWLO	JACK ANT	97T8865000	E3P 100M/M
CW101	CONNECTOR	97T6223800	IMSA-9890S-14H-T
CW102		97T6234700	FCZ 100B-18RR-K
C372	C ELECTRO	CEYE1C332E	SD 16V 3300MF (13 × 25)
D461	DIODE	DRL203----	RL203
IC101	IC AUDIO	1SAA6579T-	SAA6579T
IC301	IC REGULATOR	1K1A7809P-	KIA 7809P TO-220AB
IC402		1K1A7808P1	KIA7808PI
IC303	IC CHIP EVR	1LC75371M-	LC75371M MFP36S
IC404	IC POWER	1TDA8571J-	TDA8571J-Y
IC401	IC CHIP CUSTOM	176S8016X4	UPD-178016AGC-579-3B9
LD01	LED	DLT4H11G41	LT4H11G-41(RED)
L401	COIL CHOKE	5LC301PA18	37 × 1 × 5.2 × 300UH P EI-19MM
Q301	TR	T2SB1566--	2SB1566
Q303		T2SD2395--	2SD2395
Q406		TKSB772Y--	KSB772Y
Q101		TZRC111M--	KRC111M
Q101,Q104		TZRA105M--	KRA-105M
Q103,Q105		TZRC102M--	KRC102M(KEC)
Q302,Q402			
Q407,Q409		TZTC3113B-	KTC 3113B
Q106,Q107			
Q108,Q304		TZ2SD1862R	2SD1862R AUTO
Q309,Q310			
Q351,Q352		TZDTC323TS	DTC323TSA SPT
Q353			
Q405,Q471		TZTC3199Y-	KTC-3199Y TAPING
Q408		TZRA101M--	KRA101M(AUTO) (2201)
Q490		TZTC3198Y-	KTC3198Y-(1815Y) (AUTO)
L101,L401 L402	COIL INDUCTOR	5LL479K03K	4.7UH K 03 TA 26MM
RV101	R SEMI FIXED	RV1417504-	H500K-5X5-6N-PC-BS
0M010	INSULATION MAIN	97T5603200	PE T=0.25
0M020	HOLDER REG	97T2307000	PC LEXAN-121
0M030	SCREW TAPPTITE	7173300811	TT2 BIN 3X8 MFZN

PARTS LIST for ACP-0208 Series
ACP-0218 Series

No	PART NAME	PART CODE	DESCRIPTION
B001	PCB MAIN	97T65990MA	190X330XT1.6
CT130	CRYSTAL QUARTZ	5XJZ4R332D	HC-49/S 4.332MHZ 25PPM F
CT401		5XJZ4R500E	HC-49/S 4.5MHZ 30PPM F
DZ101	CRYSTAL QUARTZ	DKTZJ10B--	MTZJ 10B 26MM
DZ130,DZ351		DKTZJ5R1A-	MTZJ 5R1A 26MM
DZ401			
DZ301		DKTZJ7R5B-	MTZJ 7R5B 26MM
DZ302,DZ402		DKTZJ5R6B-	MTZJ 5R6B 26MM
DZ303		DKTZJ9R1B-	MTZJ 9R1B 26MM
DZ403		DKTZJ6R8B-	MTZJ 6R8B 26MM

9-2. FRONT SECTION

No	PART NAME	PART CODE	DESCRIPTION
CB001	CABINET FRONT AS	97TCFA61GD	ACP-0206RT
CB010	CABINET FRONT	97T0111600	ABS XR-404
CB040	REFLECTION SW L	97T2226700	PC LEXAN121 CLEAR
CB050	REFLECTION SW R	97T2226800	PC LEXAN 121 CLEAR
CB060	KNOB PRESET 1	97T13E4100	PC LEXAN 121 MILKY
CB070	KNOB PRESET 3	97T13E4200	PC LEXAN-121 MILKY
CB080	KNOB PRESET 4	97T13E4300	PC LEXAN 121 MILKY
CB090	KNOB SEL	97T13E4400	PC LEXAN-121 MILKY
CB100	KNOB MUTE	97T13E4500	PC LEXAN-121 MILKY
CB110	KNOB TP/TPST	97T13E4600	ABS XR 404
CB120	KNOB AF/REG	97T13E4700	ABS XR 404
CB130	KNOB TUNING DOWN	97T13E4800	PC LEXAN 121
CB140	KNOB TUNING UP	97T13E4900	PC LEXAN 121
CB150	KNOB LOUD	97T13E5100	ACRYL 1H-830H
CB160	KNOB AUT	97T13E5200	ACRYL 1H-830H
CB170	KNOB BAND	97T13E5300	ACRYL 1H-830H
CB180	KNOB CD/CDC	97T13E5000	ABS XR 404
CB200	CAP KNOB LOUD	97T0440600	PC LEXAN 121 MILKY
CB210	CAP KNOB AUT	97T0440700	PC LEXAN 121 MILKY
CB220	CAP KNOB BRND	97T0440800	PC LEXAN 121 MILKY
CB003	CABINET BACK AS	97TCBA00GD	ACP-0206RT ASS'Y
CB020	CABINET BACK	97T0111700	PC LEXAN 121
CB240	SUPPORTER BACK L	97T2503600	ABS XR-404
CB250	SUPPORTER BACK R	97T2503900	ABS XR-404
CB030	WINDOW LCD	97T1609900	ACRYL IH-830H

PARTS LIST for ACP-0208 Series
ACP-0218 Series

No	PART NAME	PARTCODE	DESCRIPTION
CB190	KNOB OPEN	97T13E5400	ABS XR-404
CB260	DECORATION	97T1001700	ACRYL
CB290	SUPPORTER SPACE	97T2504200	NEOPRENE
CB300	SPRING OPEN	97T3015000	SUS-304
CB320	SCREW TAPPTITE	7173200812	TTS BIN 2X8 MFZN BK
CB330	CASE FRONT AS	PNCFCA08GD	AKF-8045RC
00010	CASE FRONT	97T0433200	PP
SUP27	CUSHION KNB L	97T4228000	SPONGE T3.0
SUP28	CUSHION KNOB R	97T4228100	SPONGE T3.0
SUP31	SPRING BACK	97T3015100	STS-3041 0 0.4
SUP34	SHEET WINDOW L	97T9610700	DOUBLE TAPE
SUP35	SHEET WINDOW R	97T9610800	DOUBLE TAPE
SUP36	SHEET WINDOW DOWN	97T9610900	DOUBLE TAPE
SUP37	SHEET DECORATION	97T9611100	DOUBLE TAPE
11001	PCB FRONT AS	PNFRMBKV00	ACP-0206RT
CW701	CONN-FLIP(PLUG)	97T6235000	FPP1444X
LCD	LCD BLACKMASKING	97T0L1630N	KXN35844AAB
LD02,LD03 LD04	LED	DE1L33-3B-	EIL33-3B
PL701,PL702 PL703,PL704 PL705,PL706 PL707,PL708	LAMP PILOT	97T82L6W95	9V50MA
SW715,SW716 SW717	SW TACT	5S52643CL1	1C-1P SKMA 10918A 260G
VR701	VR ENCODER	5V3503A70A	SRGP 200 200
0F010	HOLDER LCD	97T2308500	PC LEXAN 121 WHITE
0F020	REFLECTION LCD	97T2227000	PC LEXAN 121 CLEAR
0F030	BRKT LCD	97T2449100	SECC TO.6
0F040	SHEET LCD	97T9609100	TREPAL
0F050	CONN ZEBRA	97T6229600	--
0F070	KNOB POWER	97T13D9000	ACYL IH-830H
0F080	CAP KNOB SEL	97T0439500	PC LEXAN-121
0F090	KNOB VOL	97T13D9400	ABS XR-404
11002	PCB FRONT AUTO	PNFRJMKV00	ACP-0206RT
B002	PCB FRONT	97T65990FR	190X213XT1.6/5
SW700,SW701 SW702,SW703 SW704,SW705	SW TACT	5S50101Z02	1C-1P SKQC10918B 260G

No	PART NAME	PARTCODE	DESCRIPTION
SW706,SW707 SW708,SW709 SW710,SW711 SW712,SW713 SW714	SW TACT	5S50101Z02	1C-1P SKQC10918B 260G
11003	PCB FRONT AUTO CHIP	PNFRJCKV00	ACP-0206RT
IC701	IC DRIVER(LCD)	1HL14104--	HL14104

9-3. PCB ISO AS SECTION

No	PART NAME	PARTCODE	DESCRIPTION
B006	PCB ISO	97T659661S	160X137.5X1.6/9
CW105	CONN AS	97T8856100	ISO 16P WITH 10A FUSE

9-4. PCB FM 1-CHIP AS SECTION

No	PART NAME	PARTCODE	DESCRIPTION
AIF	IFT AM	5105AYWA35	5DL-C5167
AOSC	IFT OSC	5105ARDA34	5DL-C5146
ARF01	IFT MW RF1	5105AWHA32	5DL-C5165
ARF02	IFT MW RF2	5105AGNA33	5DL-C5166
ARF11	IFT LW RF1	5105AGYA36	5DL-C5162
ARF21	IFT LW RF2	5105ABLA37	5DL-C5163
CR01	FILTER MECHA	5PB456A12--	CMU2-456A12
CW01	CONNECTOR WAFER	97T6218500	YFAW 254-08
CW02		97T6218600	YFAW 254-13
CW03		97T6218700	2P STRAIGHT 2.0MM
DA04	DIODE VARICAP	DKV0714-3-	AM KV0714-3
FDET	IFT FM DET	5107F0RA30	7BS-C4024
FIF	IFT FM IF	5105F0RA29	5DLH-C5115
IC01	IC AUDIO ONE CHIP	1LA1875M--	LA1875M
IC02	IC AUDIO NC	1K1A6010SN	KIA6010SN
IC03	IC RF	1LA1177---	LA1177 FM SIP TYPE
LOSC	IFT OSC	5105ABRA38	5DL-N5164
LO2	COIL ANT	5LA109KA22	0.5X3.4X3.5+3.0 R/NA
LO4	COIL OSC	5L0109KA23	0.5X3.0X2.5+3.0 R/NA
LO7	COIL TRAP	5L0109KA21	0.3X1.8X7 1/2 L/NA
RV01	R SEMI FIXED	RV4221103-	CET-068C 10K OHM B

PARTS LIST for ACP-0208Series
ACP-0218Series

No	PART NAME	PARTCODE	DESCRIPTION
RV02	R SEMI FIXED	RV4221304-	VZ066H1 300K OHM
00010	SHIELD CASE	97T3301000	STPE #50 TO.4
10001	PCB FM 1-CHIP AS AUT	PNFCJMJV00	CAT-7-NC
B01	PCB TUNER	97T65984TU	190X110X1.6T
L01	COIL INDUCTOR	5LL479K02K	4.7UH K 02 YA 26MM
L06		5LL100K02K	10UH K 02 TA 26MM
L08		5LL109K02K	1UH K 02 TA 26MM
10002	PCB FM 1-CHIP AUTO	PNFCJCJV00	CAT-7-NC
Q01	FET CHIP	THN301JBL	HN3G01J-BL
Q02	TR CHIP	TKRC111S-B	KRC111S
Q03,Q11	TR CHIP	TKRC112S--	KRC-112S
Q04,Q12 Q13,Q81 Q82,Q83 Q84,Q84	TR CHIP	TSTC2412G-	STC2412G SOT-23 DAG
Q05	FET	T3SK231U1D	FET 3SK231U1D
Q10	TR CHIP	TKTC3879-B	KTC3879
Q81	TR CHIP	TKRC110S-B	KRC110S SOT-23
21001	PCB ESC AS	PNTMBKV00	ACP-0206RT
B004	PCB ES	97T65990ES	160X118X71.6/3
CW701 CW702	CONNECTOR	97T6225400	IMSA-9890B-14B-T
		97T6234900	FPS1442X(SOKET)
PL701	LAMP PILOT	97T82L6W95	9V50MA
SW701	SW TACT	5S52625MP1	TP1140B
21002	PCB ESC AUTO AS	PNETJMKV00	ACP-0106RT

9-5. DECK AS SECTION

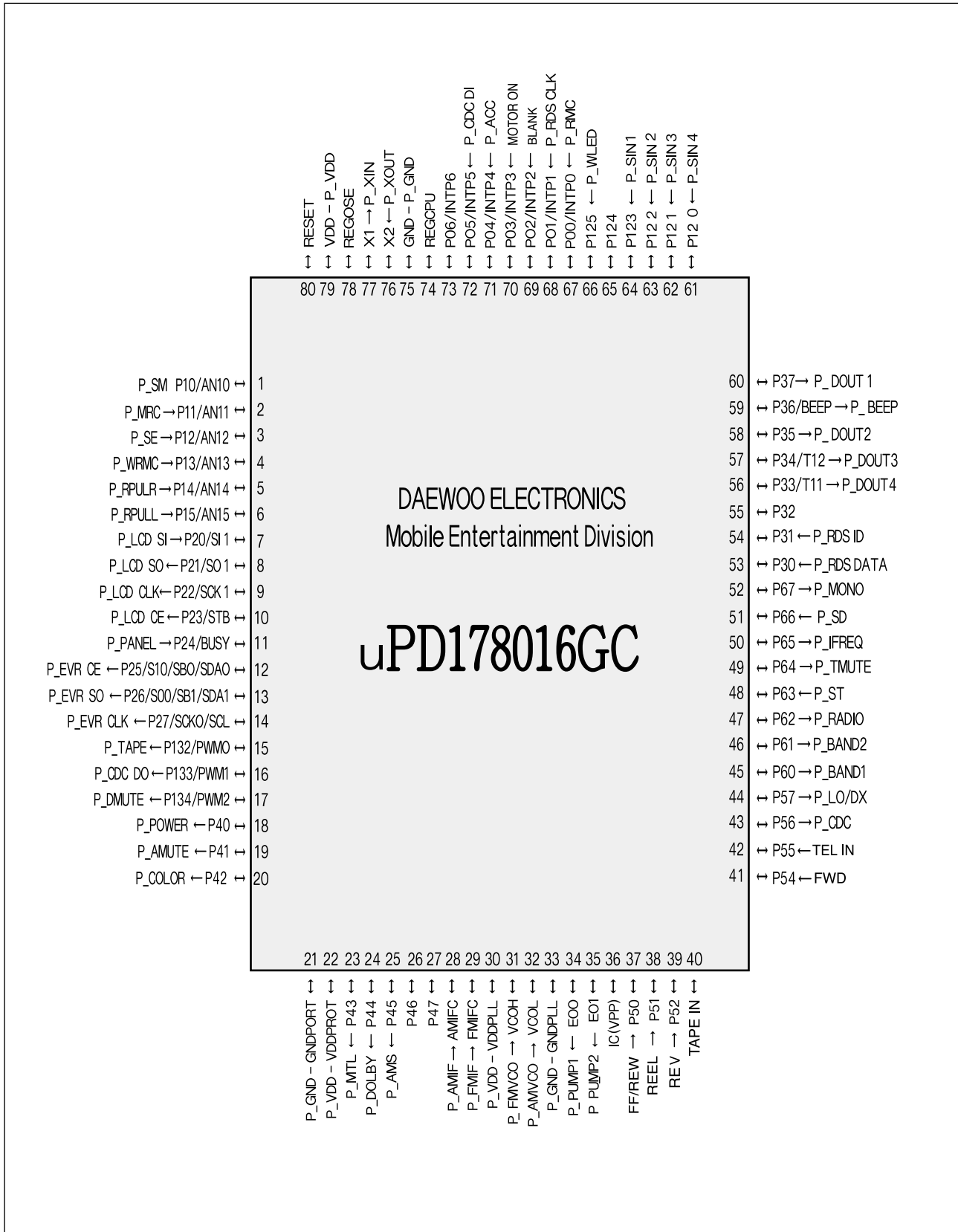
No	PART NAME	PARTCODE	DESCRIPTION
CN101	CONN AS	97T8849000	FFC 18P 1MM(W) 80MM(L)
DK010	BRKT DECK A	97T2449300	SECC T1.0
DK020	BRKT DECK B	97T2449400	SECC T1.0
DK050	DECK MECHANISM	97T6010300	DCM-201

9-6. PACKING AS SECTION

No	PART NAME	PARTCODE	DESCRIPTION
CN200	CONN AS	97T8858300	ISO 16P W/PHON,ILL
PK010	FRAME MOUNTING	97T0628200	SECC TO.6
PK020	BRACKET MOUNTING	97T2401430	SECC T1.0X16X193
PK030	LEVER B	97T2608500	SECC TO.6

10. FUNCTION OF MICOM IC

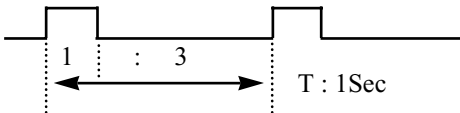
10-1. PIN CONFIGURATION (TOP VIEW)



10-2. PIN DESCRIPTION

PIN	ASSIGN	NAME	DESCRIPTION	I/O
77	P_XIN	X1	4.5 MHz CRYSTAL	I
76	P_XOUT	X2		O
22	P_VDD	VDDPORT	PERMANENT POWER INPUT PORT)MAX : 6.5V GROUND	
30	P_VDD	VDDPLL		
79	P_VDD	VDD		
22	P_GND	GNDPORT		
33	P_GND	GNDPLL		
75	P_GND	GND		
71	P_ACC	P04/INTP4	BACK UP MODE CONTROL PORT. LOW : BACK UP MODE. HIGH : OPERATING MODE.	I
18	P_POWER	P40	POWER CONTROL PORT. POWER OFF → LOW, POWER ON → HIGH	O
7	P_LCD SI	P20/SI1	KEY & LCD DRIVER IC INTERFACE PORTS.	I
8	P_LCD SO	P21/SO1		O
9	P_LCD CLK	P22/SCK1		O
10	P_LCD CE	P23/STB		O
12	P_EVR CE	P25/SI0	EVR IC INTERFACE PORTS	O
13	P_EVR SO	P26/SO0		O
14	P_EVR CLK	P27/SCK0		O
19	P_AMUTE	P41	AUDIO MUTE PORT, ACTIVE HIGH	O
59	P_BEEP	P36/BEEP	BEEP OUTPUT PORT. (2.08 KHz)	O
4	P_WPMC	P00/INTP0	WIRE REMOCON INPUT PORT.	I
67	P_RMC	P24/BUSY	WIRELESS REMOCON INPUT PORT.	I
11	P_PANEL	P42	DETACHABLE ON / OFF INPUT PORT. CONTACT → LOW SEPARATE → HIGH	I
20	P_COLOR		LCD BACK - LIGHTING COLOR CONTROL PORT RESET : COLOR → "LOW" TWO KEY IN : CHANGED	O

FUNCTION OF MICOM IC UPD178016GC
for ACP-0208 Series, ACP-0218 Series

PIN	ASSIGN	NAME	DESCRIPTION	I/O
66	P_WLED	P125	WARNING LED OUTPUT PORT. * OUT PUT CONDITION : PANEL OFF 	O
42	P_PHONE	P55	TELEPHONE MUTE (ACTIVE LOW)	I
3	P-SE	P12/AN12	SE KEY INPUT PORT (ACTIVE LOW)	I
64	P-SIN1	P123	OPTION DIODE MATRIX INPUT PORT.	I
63	P-SIN2	P122		I
62	P-SIN3	P121		I
61	P-SIN4	P120		I
60	P_DOUT1	P37	OPTION DIODE MATRIX OUTPUT PORT.	O
58	P_DOUT2	P35		O
57	P_DOUT3	P34/T12		O
56	P_DOUT4	P33/T11		O
47	P_RADIO	P62	RADIO MODE CONTROL PORT	O
45	P_BAND1	P60	BAND SELECT PORT (TUNER MODE) <div style="display: flex; justify-content: space-around;"> RESET FM MW LW </div> BAND1 : 0 1 0 0 BAND2 : 0 0 1 0	O
46	P_BAND2	P61		O
49	P_TMUTE	P64	MUTE OUTPUT AT AF CHECKING (ACTIVE HIGH)	O
48	P_ST	P63	STEREO INPUT PORT. (ACTIVE LOW)	I
51	P_SD	P66	SIGNAL DETECTION PORT. (ACTIVE HIGH)	I
1	P_SM	P10/AN10	SIGNAL METER INPUT PORT. * RANGE : SEEK : LOCAL : SD ACTIVE CHECK DX : SD ACTIVE CHECK AF --> AF CHECK STOP VOLTAGE 2.2 V	I

FUNCTION OF MICOMIC UPD178016GC
for ACP-0208 Series, ACP-0218 Series

PIN	ASSIGN	NAME	DESCRIPTION	I/O
31	P_FMVCO	VCOH	FM VCO INPUT PORT. INPUT RANGE : 0.07 \sim 1.5 Vrms	I
32	P_AMVCO	VCOL	AM VCO INPUT PORT. INPUT RANGE : 0.07 \sim 1.5 Vrms	I
29	P_FMIF	FMIFC	FM IF COUNT INPUT PORT. RANGE: 10.7 MHz \pm 30KHz , Vpp = 0.07 \sim 1.5 Vrms	I
28	P_AMIF	AMIFC	AM IF COUNT INPUT PORT. INPUT RANGE : 450 KHz \pm 1KHz (AM) 450 KHz \pm 0.37 KHz (LM) Vpp = 0.07 \sim 1.5 Vrms	I
50	P_IFREQ	P65	IF REQUEST PORT. * TUNING : HIGH OUTPUT	O
44	P_LO/DX	P57	LOCAL MODE \rightarrow HIGH <input type="checkbox"/> DX MODE \rightarrow LOW	O
52	P_MONO	P67	(RADIO MODE) MONO MODE \rightarrow HIGH STREO MODE \rightarrow LOW	O
34	P_PUMP1	EO0	PLL ERROR OUT1 PORT.	O
35	P_PUMP2	EO1	PLL ERROR OUT2 PORT.	O
53	P_RDS DATA	P30	RDS DATA INPUT PORT.	I
54	P_RDS ID	P31		I
68	P_RDS CLK	P01/INTP1		I
2	P_MRC	P11/ANI1	MULTI-PATH INPUT PORT. * MULTI-PATH : 0.6 \sim 0.9 V	I
43	P_CDC	P56	CDC MODE ON OUTPUT PORT. ACTIVE HIGH	O
72	P_CDC DI	P05/INTP5	CDC DATA COMMUNICATION PORT.	I
16	P_CDC DO	P133/PWM1		O

FUNCTION OF MICOMIC UPD178016GC
for ACP-0208 Series, ACP-0218 Series

PIN	ASSIGN	NAME	DESCRIPTION	I/O
15	P_TAPE	P132/PWM0	TAPE MODE OUTPUT PORT.	O
40	P_TAPE IN	P50	TAPE CASSETTE CONDITION CHECK PORT * LOW : EJECT CONDITION * HIGH : LOADING CONDITION	I
37	P_FWD IN	P52	TAPE FWD/RVS PLAY CONDITION INPUT PORT * RVS : HIGH FWD : LOW	I
38	P_FF IN	P51	TAPE PLAY/FF CONDITION INPUT PORT * PLAY : LOW FF : HIGH	I
25		P45		O
24	P_DOLBY	P44	DOLBY MODE (ACTIVE HIGH)	O
23	P_MTL	P43	METAL ON : HIGH, METAL OFF : LOW OUTPUT.	O
17	P_DMUTE	P134/PWM2	DECK MUTE PORT,	O

MATRIX TABLE OF KEY & OPT. DIODE
for ACP-0208 Series, ACP-0218 Series

● **KEY MATRIX TABLE :**

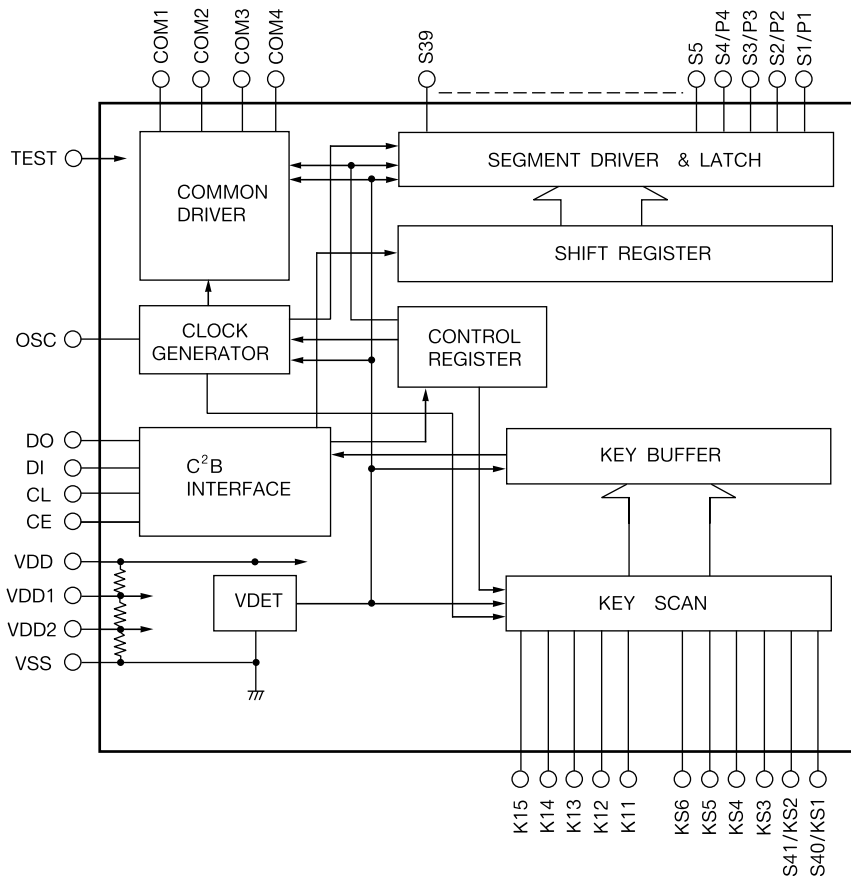
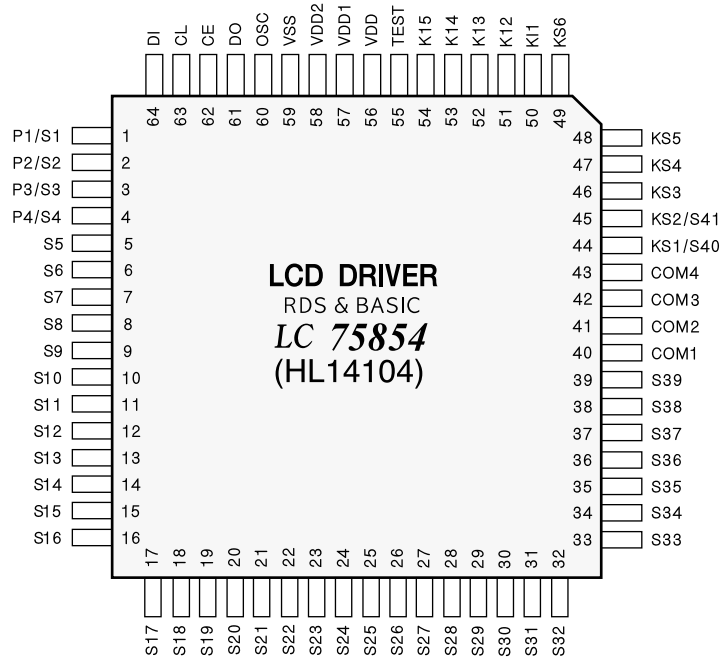
Return Source	KI 1 (50)	KI 2 (51)	KI 3 (52)	KI 4 (53)	KI 5 (54)
KS 6 (49)	T.UP	T.DOWN	-	LOC/LOUD (B:LOC)	-
KS 5 (48)	MI (TOP)	MS (INTRO)	M3 (REPEAT)	TA/TA.STBY (B:SCAN UP)	AF/REG (B:LOUD)
KS 4 (47)	M4 (SHUFFLE)	M5 (DISC DOWN)	M6 (DISC UP)	DISP/PTY (B:DISP)	AUT (INTRO) (INTRO)
KS 3 (46)	Audio UP	Audio DOWN	Audio MODE	POWER	CDP EJECT/ CDP RESET
KS 2 (45)	-	CDP/CDC PLAY/PAUSE	CDC PLAY/PAUSE	BAND/ LANG	MUT
KS 1 (44)	-	-	-	-	-

● **OPTION DIODE TABLE (MAIN PCB BOARD)**

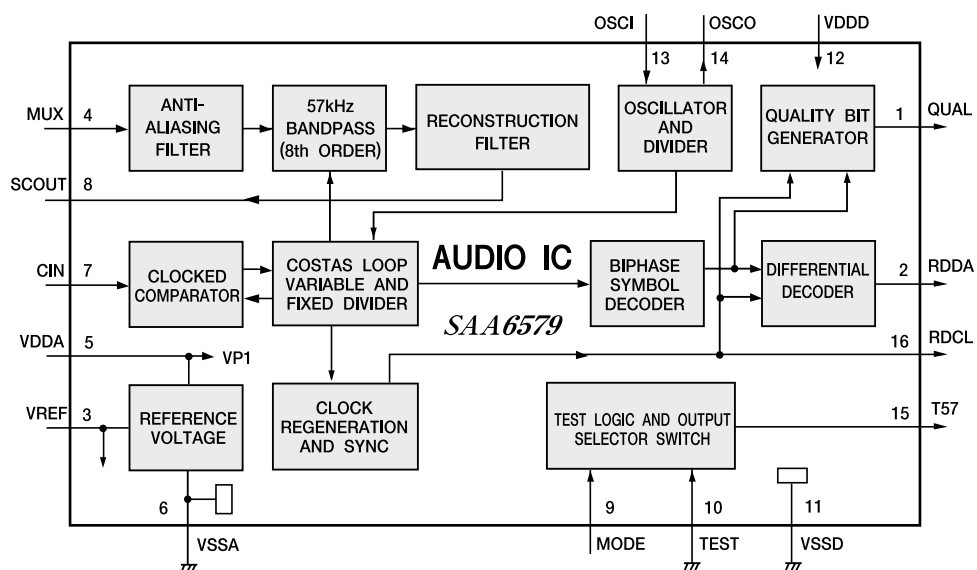
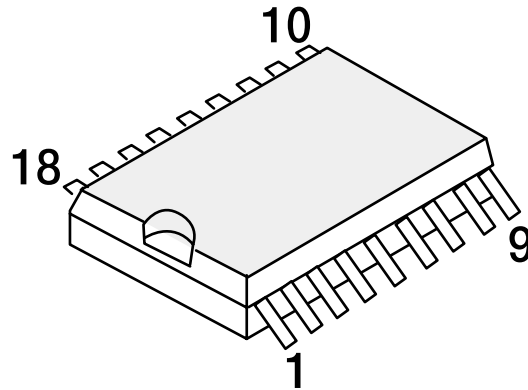
SOURCE RETURN	P_DOUT 1 (P37, 60PIN)	P_DOUT 2 (P35, 60PIN)	P_DOUT 3 (P34, 57PIN)	P_DOUT 4 (P33, 56PIN)
P_SIN 1 (P123, 64PIN)	SECURITY1	SECURITY2	SECURITY3	SECURITY4
P_SIN 2 (P122, 63PIN)	FM-ONLY	EN-RDS	LW ENABLE	EN-DOLBY
P_SIN 3 (P121, 62PIN)	DIS-CLOCK	TUNER 1,2	DIS-FAD	MODEL1
P_SIN 4 (P120, 61PIN)	AREA 1	AREA 2	AREA 3	MODEL2

11. IC BLOCK DIAGRAM

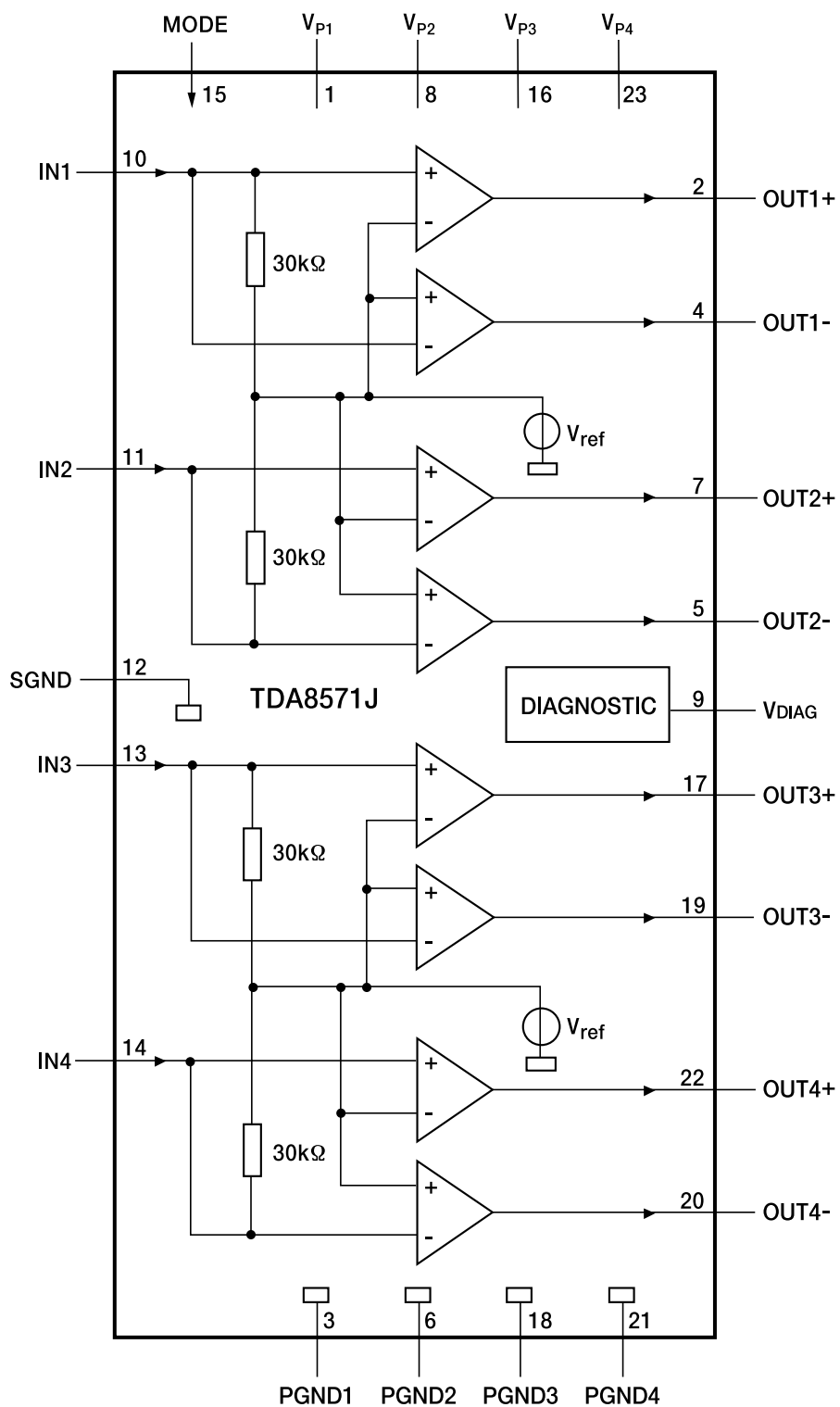
11-1. LC75854 (IC LCD DRIVER) :IC701



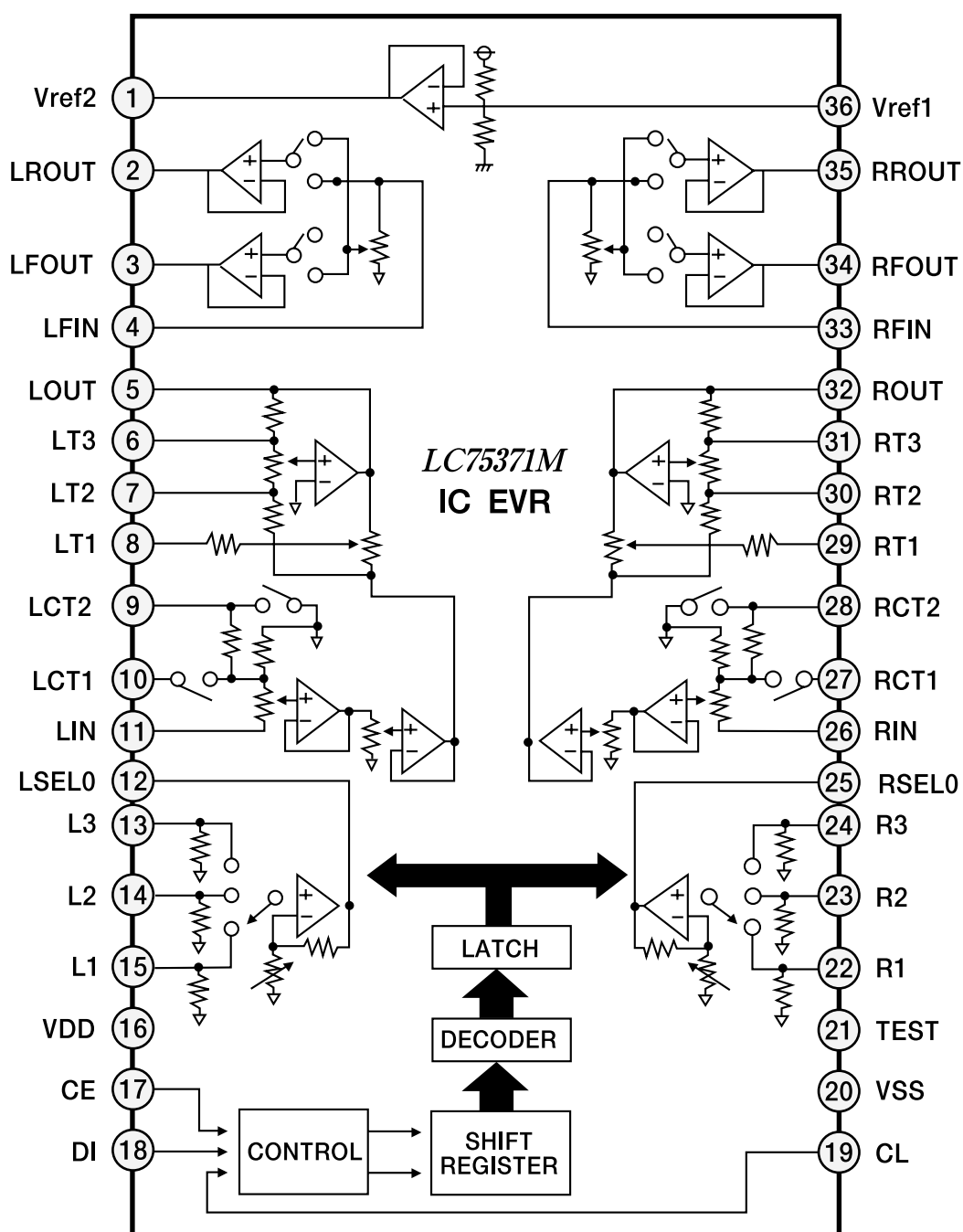
11-2. SAA6579T (IC Audio):IC101



11-3. TDA8571J (IC Audio Power):IC304

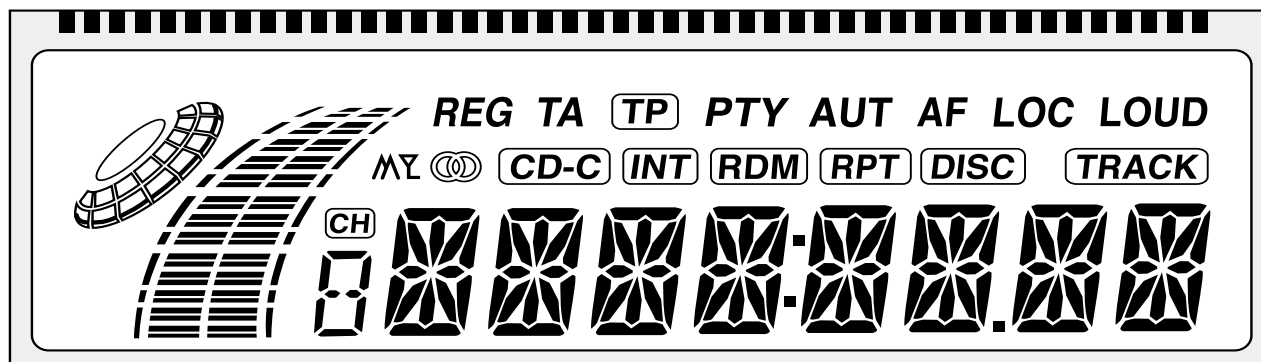


11-4. LC75371M (IC EVR) : IC303



12. LIQUID CRYSTAL DISPLAY

12-1. AKL-5020RC



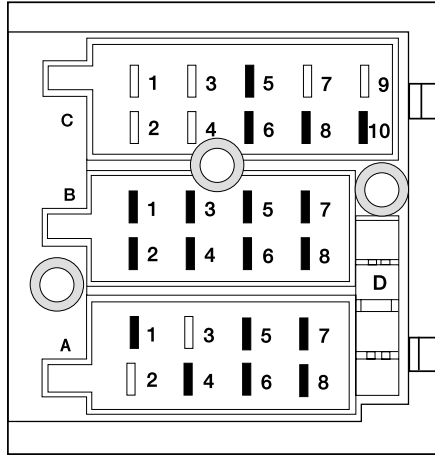
IC NO	39	38	37	36	35	34	33	31	32	6	7	8	9	10	11
LCD NO.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
COM1	--	--	--	COM1	LOUD	9H	9A	TRACK	LOC	8H	8A	AF	COL1	7H	7A
COM2	--	--	COM2	--	9B	9G	90	9F	8B	8G	80	8F	7B	7G	70
COM3	--	COM3	--	--	9I	9K	9L	9N	8I	8K	8L	8N	7I	7K	7L
COM4	COM4	--	--	--	9C	9D	9M	9E	8C	8D	8M	8E	7C	7D	7M

IC NO	12	13	14	15	30	29	28	27	26	25	24	23	22	21	20
LCD NO.	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
COM1	DICS	AUT	6H	6A	COL	RPT	5H	5A	PTY	RDM	4H	4A	TP	INT	3H
COM2	7F	6B	6G	60	6F	5B	5G	50	5F	4B	4G	40	4F	3B	3G
COM3	7N	6I	6K	6L	6N	5I	5K	5L	5N	4I	4K	4L	4N	3I	3K
COM4	7E	6C	6D	6M	6E	5C	5D	5M	5E	4C	4D	4M	4E	3C	3D

IC NO	19	18	17	16	5	4	3	40	41	42	43					
LCD NO.	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	45
COM1	3A	TA	REG	2H	2A	S10	1A	CH	T5	T4	S4	S5	--	T12	T13	CDC
COM2	30	3F	2B	2G	20	2F	1B	1F	T6	T3	S3	S6	--	T11	MY	--
COM3	3L	3N	2I	2K	2L	2N	1C	1G	T7	T2	S2	S7	--	T10	--	--
COM4	3M	3E	2C	2D	2M	2E	1D	1E	T8	T1	S1	S9	S8	T9	--	--

13. OUTPUT CONNECTOR DESCRIPTIONS

13-1. 26 Pin CONNECTOR



The pins in the ISO connector have the following functions (connector seen from the rear)

A. ELECTRIC CONNECTIONS

1. Tel.Mute : Brown
4. Back-up+12V : YELLOW
5. +12V (electric antenna) : BLUE
6. Dimmer : PINK
7. +12V supply(from ignition lock) : RED
8. Earth : BLACK

B. LOUD SPEAKER

1. +Right Rear : VIOLET
2. - Right Rear : VIOLET/BLACK
3. +Right Front : GRAY
4. - Right Front : GRAY/BLACK
5. +Left Front : WHITE
6. - Left Front : WHITE/BLACK
7. +Left Rear : GREEN
8. - Left Rear : GREEN/BLACK

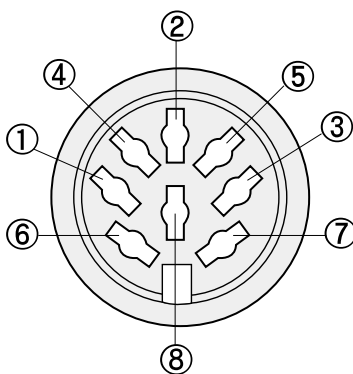
C. OTHER (OPTION)

5. EARTH
6. TRIP LINE AMPLIFIER(ACC 12V)
8. LINE-OUT(RIGHT)
10. LINE-OUT(LEFT)

D. FUSE

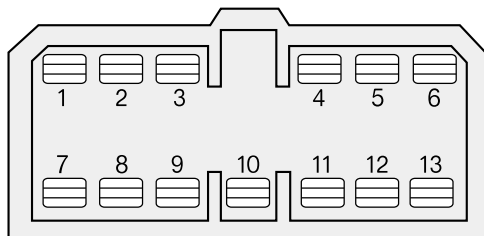
10A

13-2. 8 Pin CONNECTOR



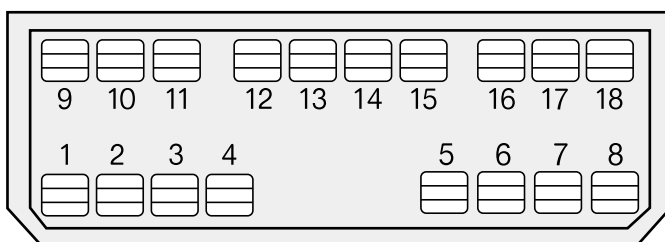
1	CDC-ON
2	BACK-UP B+
3	NO CONNECTION
4	DATA
5	GROUND
6	R-CH
7	L-CH
8	SIGNAL GROUND

13-3. 13PIN CONNECTOR



1	REAR LEFT SP(-)	8	REAR RIGHT SP(+)
2	REAR RIGHT SP(-)	9	NEGATIVE GROUND
3	AUTO ANT	10	RIGHT (ILLUMINATION)
4	ACC B(+)POWER	11	BATTERY B+(BACK-UP)
5	FRONT RIGHT SP(+)	12	FRONT RIGHT SP(-)
6	FRONT LEFT SP(+)	13	FRONT LEFT SP(-)
7	REAR LEFT SP(+)		

13-4. 18PIN CONNECTOR



1	FRONT R-CH SP(+)	7	REAR L-CH SP(+)	13	NO CONNECTION
2	REAR R-CH SP(+)	8	FRONT L-CH SP(+)	14	GROUND
3	ILLUMINATION(+)	9	FRONT R -CH SP(-)	15	NO CONNECTION
4	ACC. B(+)	10	REAR R-CH SP(-)	16	NO CONNECTION
5	BACK UP B+	11	ILLUMINATION(-)	17	REAR L-CH SP (-)
6	NO CONNECTION	12	AUTO ANT. B+	18	FRONT L-CH SP(-)

NOTE! The red cable must be connected via the car s ignition lock to prevent unwanted discharge of the battery if it is not used for longer periods of time.

DAEWOO

DAEWOO ELECTRONICS CO., LTD

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SEOUL, KOREA

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ACP0208EFO

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edited by Mc. Cem